

Lancaster Farming

VOL 9 NO. 41

Lancaster Farming, Saturday, September 12, 1964

\$2 Per Year

Arnold G. Lueck Is Assoc. Agent

Arnold G. Lueck, for the past three years, assistant agent in Lancaster county has been promoted to associate agent. It was recently announced by Thomas H. Patton, director of Cooperative Extension Service of The Pennsylvania State University. Son of the Max Luecks, Brown, Wis., he was born on a farm and had four years of 4-H Club work. He prepared for college at Monroeville, Wis. high school. At the University of Wisconsin where he received a degree in agronomy in 1942, he was a student assistant in agronomy and worked part-time for the U.S. Department of Agriculture. He did graduate work at Pennsylvania State



From 1942 to 1950 he was technical aide at the U.S. Regional Pasture Research Laboratory at Penn State. From 1950 until 1961 he taught vocational agriculture, for two years in Chambersburg, and for two years at Jersey Shore. Lueck is a member of two fraternal fraternities, Delta Epsilon Sigma, professional, and Alpha Tau Alpha, education. In Lancaster county he is associated with County Agent M. W. Smith, with offices in the Post Office Building at Lancaster.

Farm Calendar

Sept. 14-17 — Penna. All-American Dairy Show
Sept. 14 — 9 a.m. — State Junior Dairy Show, Farm Show Bldg., Harrisburg
Sept. 14 — Holstein Sale — Farm Show Bldg.
Sept. 14 — 5 p.m. — Manheim FFA, Selection and Feeding
Sept. 14 — Soil and Water Conservation meeting, Lancaster County Court House
Sept. 15 — 7:30 a.m. — Lancaster Poultry Assn. Tour — Lancaster Poultry Center
Sept. 18 — Pa. Black and White Show Farm Show Bldg.
(Continued on Page 6)



Mr. Henry B. Engle, Research Agronomist, folded back one row of tobacco in the weed control plots at the P.S.U. Field Research Laboratory to show the difference a good weed-killer can make. The row showing bare ground was treated, the row to the right was not. L. F. Photo.

Cage Layer Plants Need More Powered Equipment

When we drive past the new, ultra modern cage laying manufacturing shop for 14 years. He produces some of the equipment that is so necessary to make these cage houses "go." The company makes powered feed carts, tractor pit cleaners, cross conveyors, and egg collecting carts. You might say S.M. Mfg. (Continued on Page 6)

Mr. Mellinger, with his sons Stanley and Robert has been

WARNING . . . Silo Gas Time

It's that time again and we have a few words of caution about the possible dangers from "SILO GAS," a complex mixture of three oxides of nitrogen. Silo gas danger is greater in dry years. It is occasionally given off from silos recently filled with such crops as corn, oats, wheat, barley, rye, and certain weeds. It is a heavier than air gas — often brown or yellow in color — which settles in low areas in the silo, above the settled silage in the silo chute, and even in the dairy stable. The silo gas is very toxic to men and animals causing a burning sensation in the nose and throat and also choking and suffocation. Odor is similar to hypochlorite used in bleach and dairy disinfectants. The most dangerous period is the first 10 days after filling, but it could persist all winter.

Perhaps it can't happen to you. . . perhaps. Observing the following precautions will (Continued on Page 6)

Tobacco Weed-Control Project Shows Promise

At the Pennsylvania State University (PSU) Field Research Laboratory near Lancaster, the effects of various weed control chemicals are being studied.

The particular plot in which this study is being done was planted in mid-June. The plants will be harvested later this month and yield figures will be obtained for each treatment.

Each treatment tested is replicated, or repeated three times. To analyze the treatment differences statistically, it is necessary to have a sufficient number of plants and rows in each treatment to be certain that any differences found are due to the treatment and not simply to environment. Check rows are also necessary for that reason and a check row was used in this experiment on each side of each treatment.

The statistical analysis gets pretty technical. What the farmer wants to know is, "What did you use? How did you use it? and Was it any good?"

Two weed-control chemicals manufactured by Stauffer Chemical Co. are being used. These are "Eptam" and "Vernam." Each of these chemicals was tested for rate of application — three pounds and six pounds per acre, for form of material — granular and liq-

uid, and for time of application — preplant and post-plant.

Another material substituted urea was tested at two rates — three and six pounds per acre. In both cases it was applied prior to planting.

Diphenamid and Trifluralin were two other chemicals tested. Each was applied prior to planting at two rates — four and six pounds per acre.

Also a combination of these two materials, Diphenamid and Trifluralin, was tested. In combination they have the much shorter trade name of "Tiefmid." Tiefmid was applied prior to planting at the rates of four and six pounds per acre.

On looking over the plot, we could see that there were many places where no weeds, or few weeds, were apparent. We asked Mr. Henry B. Engle, USDA Research Agronomist and Ass't Prof. of Agronomy (Continued on Page 6)

ASC To Change Election Methods

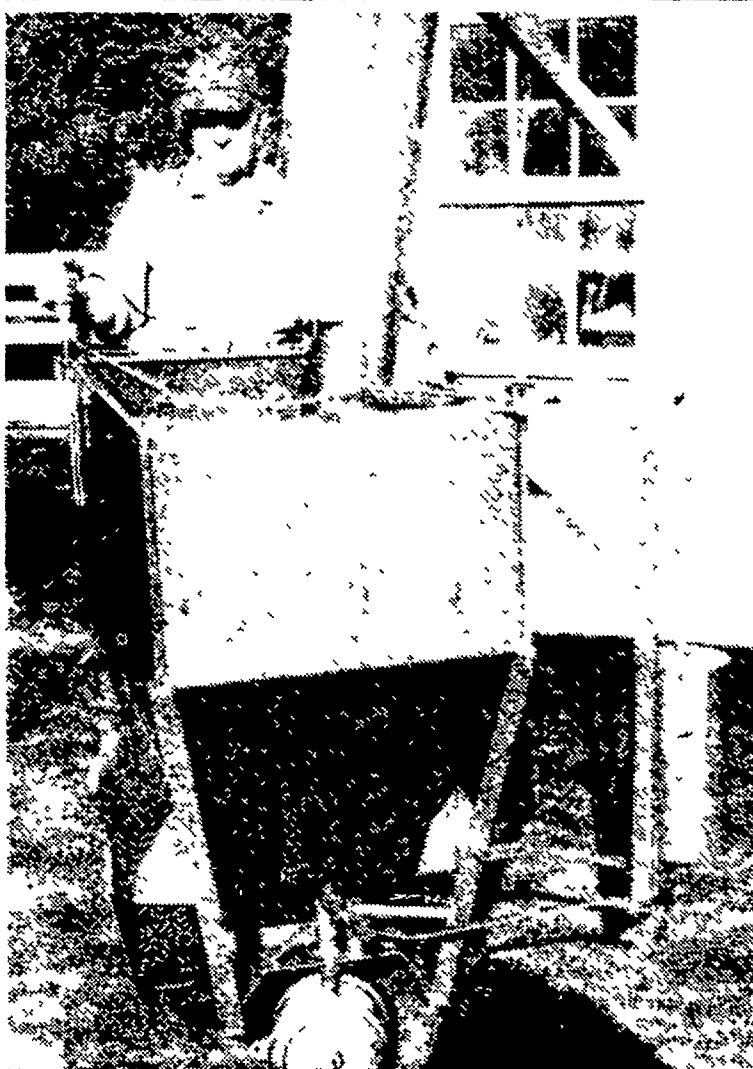
Changes in the method of electing county Agricultural Stabilization and Conservation committees and in the length of their term of office were announced recently by the U.S. Department of Agriculture. The legislation authorizing the changes has been approved by Congress and signed by President Johnson.

Under the new bill, three major changes relating to election of ASC county committees were authorized. These changes: (1) Establish a three-year staggered term of office for county committeemen instead of the existing one-year term; (2) Provide that a county committeeman may not serve more than three consecutive terms. (Continued on Page 6)

Weather Forecast

Temperatures for the five-day period Saturday through Wednesday will average 2 to 7 degrees below normal. The normal high and low temperatures for that period are 77 and 57 degrees. It will be cool at the beginning of the period, moderating by Monday and cooler again by Wednesday.

Precipitation may total .1 to .5 inches mostly in the western sections, and greater than .5 inches in the east. This will occur as rain over coastal areas by Monday, and again by Wednesday, and as scattered showers over the interior sections on Tuesday.



Mr. Stanley B. Mellinger demonstrates one of the battery-powered feed carts which are being turned out by the S. M. Mfg. Co., Inc., Lititz, Pa. L. F. Photo.

Market News Reports

At Lancaster Yards

Weekly Review

CATTLE 2550. Compared with 3547 last week Supply for Shortened Holiday week included 60 per cent slaughter steers, 15 per cent cows with about 20 per cent feeder steers. Compared with last week's close, slaughter steers uneven, High Choice and Prime steady to 25 lower, Low Choice and below 50 75 lower. Slaughter Heifers fully steady. Feeder steers slow, Steady to 50 lower. Cows fully steady, instances 50 higher. Bulls steady.

SLAUGHTER STEERS Choice 900-1200 lbs 25 50-27 00. Choice 1300-1500 lbs 25 00-26 50. High Choice and Prime 1000-1350 lbs 27 00-27 60. Good 23 85-25 60, 1300-1450 lbs 22 00-24 50. Standard 22 00-24 10.

SLAUGHTER HEIFERS Good and Choice 775-900 lbs 21 85-23 25.

COWS Utility and High Yielding Cutter 13 75-15 50, Few 16 00-16 50, Cutter 12 60-14 00, Canner 11 25-13 00.

BULLS Utility and Commercial 17 75-19 50, Good 20 00-21 50, Cutter 15 35-17 85.

FEEDER STEERS 3 loads. Good to low Choice 625-650 lbs 21 25-21 50.

CALVES 475. Compared with 593 last week. Fairly Active. Vealers strong to \$2 00 higher.

VEALERS Choice 30.00-

32 00. Few 32 00-34 00, Good 25 00-30 00, Standard 22 00-25 00, Utility 18 00-22 00, Cull 13 00-17 00.

HOGS 850. Compared with 1106 last week. Fairly Active, Barrows, gilts and Sows steady to strong.

BARROWS AND GILTS U. S 1-2 190-240 lbs 19 00-19 50. US 1-3 185-250 lbs 18 50-19 00. US 2-3 230-270 lbs 18 00-18 50. **SOWS** US 1-3 350-450 lbs 13 00-14 00. US 2-3 450-550 lbs 12 00-13 00. Few 550-650 lbs 11 00-12 00.

SHEEP 250. Compared with 745 last week. Moderately active, Spring lambs steady to weak. Good and Choice 75-100 lbs 20 00-24 00, Few Utility 65-85 lbs 17 00-19 00.

TURKEY NUMBERS UP IN PENNSYLVANIA

HARRISBURG — A total of 16 million turkeys are being raised in Pennsylvania this year, 15 per cent more than in 1963, according to the State Crop Reporting Service.

The number of light breed turkeys — estimated at 289,000 — is up sharply from last year's total of 115,000. The number of heavy breed birds, 1,303,000, is 3 per cent above last year.

The nation's 1964 crop is expected to total 98.7 million turkeys, 6 per cent more than a year earlier.

Vintage Sale

CATTLE 750. Supply includes 20 per cent cows. Slaughter steers fairly active, weak to mostly 50 lower. Cows steady to 50 lower. Not enough bulls or feeder steers on sale to test trends.

SLAUGHTER STEERS Choice 900-1300 lbs 25 50-27 00, Few High Choice and Prime 1000-1300 lbs 26 85-27 50, Mixed Good and Choice 25 25-25 75, Good 24 35-25 85, Standard 22 25-24 50.

COWS Utility 13 75-15 00, Few 15 00-15 75, Cutter 12 75-14 50, Canner 11 60-12 75.

BULLS Utility and Commercial 17 50-19 35, Cutter 15 00-17 75.

FEEDER STEERS Few Good 700-1000 lbs 19 75-21 75.

CALVES 621. Fairly Active, Vealers 1 00-3 00 higher.

VEALERS Choice 29 50-34 50, Few to 36 00, Good 26 50-29 50, Standard 22 00-26 50, Utility 19 00-22 00. Cull 15 00-19 00.

HOGS 112. Barrows and gilts steady to 25 lower.

BARROWS AND GILTS U. S 1-3 190-225 lbs 18 00-18 50, U. S 1-2 165-180 lbs 17 25-18 10.

SHEEP 34. Insufficient volume of any one class to fully test market trend.

SPRING LAMBS Good and Choice 75-105 lbs 19 50-22 50, Few Utility 16 50-19 50.

At the September 5th hog sale, 129 head were offered. Hogs weighing 180-200 lbs brought 18 60 to 19 00, 200-220 lbs also sold at 18 60 to 19 00; 220-240 lbs brought 18 50 to 19 00, and 240 lbs and up were 16 25 to 18 25.

New Holland Auction

CATTLE 735. Supply included 26 per cent cows. Slaughter steers active, High Choice and Prime steady to 50 higher, other grades steady. Utility and High Yielding Cutter Cows 75-1.25 higher, Canner and Cutter steady to 25 higher. Bulls mostly \$1 00 higher. Slaughter Steers: Choice 950-1200 lbs 25 75-27 00, High Choice and Prime 1000-1250 lbs 27 00-28 00, 3 head 28 35-28 50, Good 24 00-26 00, Standard 22 00-24 00.

Slaughter Heifers Good and Choice 750-950 lbs 21 60-24 00.

Cows Utility and High Yielding Cutter 14 50-16 10, 5 head 16 50-17 35, Cutter 13 00-14 50, Canner 11 75-13 00, Shelly Canner 10 35-11 75.

Bulls Utility and Commercial 18 85-21 60, Good 21 00-23 35, Choice 24 10.

Feeder Steers Medium and Good 410-785 lbs 17 50-20 10.

CALVES 475. Active, Vealers steady to \$1 00 higher, instances \$2 00 higher on Choice.

VEALERS Choice 30 50-35 50, few 35 50-37 00, Good 27 00-30 50, Standard 23 00-27 00, Utility 18 50-23 00, Cull 15 00-18 50.

SHEEP 45. Spring Lambs about steady.

Spring Lambs: Choice 80-95 lbs 23 00-23 50, Good 18 50-21 50, Utility 15 50-18 00.

Dairy cows sold slower at the Sept 9th sale 154 cows, 10 heifers, and no bulls were received.

Fresh Holsteins brought 225 to 435, Guernseys 140 to 245, other breeds, 175 to 250. Heifers sold for 115 to 275.

Horses sold steady at the sale on Sept. 7. 236 horses and no mules were received. Riding horses brought 125 to 275; driving horses, 125 to 290. (Continued on Page 3)

Chicago Cattle

WEEKLY REVIEW

CATTLE — Salable receipts for three days this week 21,600 compared 22,400 for four days last week and 33,500 year ago. Twelve market receipts 157,600 compared 178,000 week ago and 214,500 year ago.

Compared last Friday, slaughter steers 25-75 lower, heifers 50-75 lower. Cows strong to 50 higher. Bulls 50 higher. In the Chicago carlot dressed trade, steer beef 50 to 100 higher. Heifer beef steady to 50 higher. Cow beef steady to 1 00 lower.

Slaughter steers Loadlots Prime 1225-1350 lbs 27 75-28 00, around seven loads at 28 00, Bulk High Choice and Prime 1150-1400 lbs 26 75-27 50, two loads Prime 1400-1450 lbs 27 00-27 50, load mostly Prime 1100 lbs 27 00, three loads Mixed Choice and Prime 1556 lbs 26 50, Bulk Choice 1100-1400 lbs 25 50-26 75, load Choice 1625 lbs 23 00, Choice 900-1100 lbs 24 50-26 00, several loads Choice with few.

(Continued on Page 3)

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Sale Schedule

Monday: Horse Sale ————— 10:00 A.M.
Tack Sale to Follow Horse Sale
Hog Sale ————— 11:00 A.M.
Beef Cattle ————— 2:00 P.M.
Sale Order — Bulls, Steers, Cows, Calves
Wednesday: Sale of Dairy Cattle ————— 12:30 P.M.
Thursday: Sale of Beef Cattle ————— 12:30 P.M.
Sale Order — Bulls, Steers, Cows, Calves

JOHN H. GINGRICH, Mgr.

Ph. New Holland 374-2194

New Holland, Pa.

Weekly Broiler Report

Placements in the State by commercial hatcherymen during the week ending September 5 totaled 823,000 chicks for commercial broiler production according to the Pennsylvania Crop Reporting Service. This was a decline of 18 per cent from the previous week but an increase of 14 per cent from a year earlier. The 10-week total was up 11 per cent from last year. Eggs set for commercial broiler production totaled 1,071,000, 16 per cent below a week earlier but 4 per cent above the comparable period last year. The 3-week total was up 6 per cent from a year ago. In shipments of broiler-type chicks the past 10 weeks totaled 765,000 or 54 per cent above the comparable period last year — outshipments of 1,284,000 were down 13 per cent.

Placements in the 22 major producing states totaling 36,159,000 chicks, were 5 per cent below a week earlier but 5 per cent above last year. The 10-week total was also 5 per cent above last year. Settings totaling 47,120,000 eggs

were down 2 per cent from the previous week but were 2 per cent above last year. The 3-week total was 3 per cent above a year earlier.

Eastern Pa. & New Jersey
Demand for light type hens only fair with some lower paying prices noted. Prices at 6¢ reflect flock pickups under 1000 head in parts Eastern Pa. Offerings barely adequate. Supplies of heavy type hens spotty, but overall adequate for a fair buying interest. Prices paid at farm for light type hens 6-8¢ mostly 7-7½¢, heavy type hens 14½-15¢.

● Chicago

(Continued from Page 2)

Prime 1050-1125 lbs. 26.25-26.50, Good all weights 22.00-24.00, Standard and Low Good 19.00-22.00, couple loads Utility 10.25-10.50 lbs. 17.25-17.50.

Slaughter heifers: Mixed Choice and Prime 925-1000 lbs. 24.50-24.75, couple loads Choice with few Prime 1000-1025 lbs. 24.25, Bulk Choice 800-1000 lbs. 23.00-24.00, Good 21.00-22.00, Mixed Good and Choice 22.25-22.75, few Standard and Low Good 18.50-21.00.

Cows: Utility and Commercial closed at 13.00-15.25, few 15.50, Canner and Cutter 12.00-14.25.

Bulls: Cutter to Commercial 16.50-18.50.

● Delmarva

Prices Off Nearly 1½¢

Live broiler and fryer prices declined nearly 1½¢ with demand fair but unaggressive for moderate auction offerings.

Ready to cook movement was fair for late week till-in, in instances. Future commitments were generally slow in developing, and only of a regular nature at competitive levels with other producing areas.

Delivered prices ranged unchanged to ½¢ higher, mostly unchanged to ¼¢ lower.

Eastern slaughter for Friday and Saturday was 791,000 head, compared to 838,000 head last weekend.

Prices paid in reported purchases for the 24-hour period ending 10:30 A.M. Friday: broilers and fryers — 15.7 to 16.5 on 909,400 head, including 522,200 head purchased of 529,000 head offered at Eastern Poultry Growers Exchange on Thursday.

Thirty-one percent of the auction sales were at 16.0 to 16.4.

The Delmarva broiler feed ratio for the week ending Sept. 4th was 3.2. This was a decline of 2 points from the preceding week. Broilers averaged 15.92¢ per lb., and average mash price was \$98.11 per ton.

You don't have to be a cannibal to get fed up with people.

Lancaster Farming, Saturday, September 12, 1964—3

Weekly New York Egg Mkt.

From Monday, September 7th to Friday, September 11th

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Ex.					
Fcy. Hywts.		39½-40	39½-40	39-40	38½-39
Fcy. Hywts.		37½	37½	37½	37
Fcy. Med.		34½-35	33-33½	32	31
No 1 Med.		34½	33-33½	32	31
Pullets		24	21	21	21
Peewees		13	17	17	17
BROWN					
Ex.					
Fcy. Hywts.		44	44	44	44
Fcy. Hywts.		41	41	41	41
Fcy. Med.		36	33-33½	33-33½	31½-32
Pullets		24	24	22	21
Peewees		13	13	17	17
MIXED					
Fcy. Hywts.		37	37	37	37
Standards		33	33	33	32
Checks		27	27	27	24

TREND: Market weaker under a curtailment in demand and heavier offerings into this area.

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● New Holland

(Continued from Page 2)

1850 to 1900 heavyweights brought 17.25 to 18, sows were 12 to 14½. Shoats sold for 8 to 12.50.

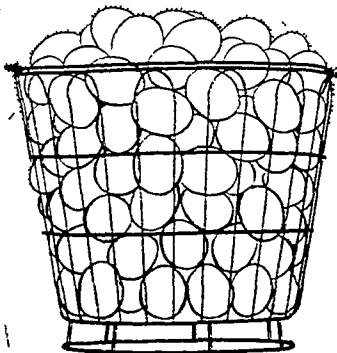
Also at the Sept. 7th sale 135 calves were sold, and the trend seemed steady. Choice er at the Sept. 7th sale 407 and prime brought 34 to 36, hogs and 25 shoats were standard, 26½ to 29, good and cerved Hogs retailed at 19 to low choice, 29 to 34, common, 20.75, Wholesale (U.S. 1-3) 15 to 25.

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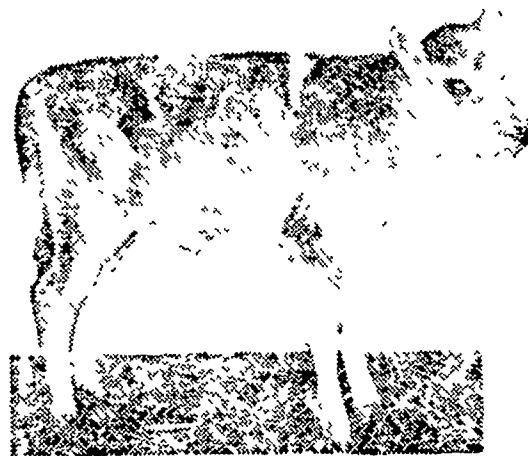
The big news in layer feed throughout the Northeast is LAY-BITS. Agway LAY-BITS is already famous for cutting feed cost and boosting egg profits.

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From Where We Stand . . .

Are States To Be Denied Their Right Of Self Government?

By ruling that both houses of the state legislature must be elected on a basis of population, the Supreme Court has said, in effect, that the people in the states have no right to decide how they shall be represented.

We doubt if even the most severe critics of the Court's decisions in recent years would have expected this august body to go as far as it has in rewriting the Constitution.

Granted, our Founding Fathers could not foresee all our modern problems when they composed our Constitution over 150 years ago, but they even anticipated their own fallacies by including the provision for amending the Constitution. We think they were wise enough to anticipate the day when, if population were the only basis for apportioning the vote in the state legislatures, a rampant majority could run rough-shod over the rest of the population, and therefore they left that phase of apportionment up to the individual states.

The bicameral (two-chamber) system has served us well over the years, both on a national and a state basis. However, it is true that some of the states have ignored their own constitutional requirements calling for reapportionment every ten years and this has, in a sense, brought the wrath of the Court down upon all our heads.

The repercussions of this legislative act of our Judicial body will seriously effect the voting strength of our rural populations. It means actually that now the big cities have clear sailing for whatever legislation they want to foist upon us. It means that many state legislatures will be controlled by big city machines, which are sometimes corrupt, and these machines will be able to perpetuate their own existence indefinitely. It means that these political bosses will tell state legislatures where roads will be built, how water is to be used, what land is to be seized for recreational uses, and how state aid for schools is to be distributed. In short, it means that small town people and rural residents will have little voice in the affairs of their state governments.

The U.S. Congress has reconvened primarily to settle Sen. Dirksen's proposal to postpone the Court's decision until it can be properly voted on by the people. We sincerely hope the Senators will be wise enough to support that proposal. Who knows, it is conceivable that theirs may be the next legislative body that the Supreme Court decides to reorganize!

It is worthy of note that some of the most thoughtful criticism of the Supreme Court has been coming from one of its own members, the highly respected Justice Harlan. In the past year he wrote 20 dissents, and the year before that 22. Representing the minority opinion in the Court's 6 to 3 decision on reapportionment Justice Harlan said, "The Court's elaboration of its new 'constitutional' doctrine indicates how far — and how unwisely — it has strayed from the appropriate bounds of its authority."

Following one of his earlier dissenting opinions he commented, "These decisions give support to a current mistaken view of the Constitution and the constitutional function. This view, in a nutshell, is that every major social ill in this country can find its cure in some constitutional 'principle', and that this Court should take the lead in promoting reform when other branches fail to act. If the time comes when this Court is looked upon by well-meaning people — or, worse yet, by the Court itself — as the repository of all reforms, I think the seeds of trouble are being sown for this institution."

To this we can only say, "amen". What Do YOU Think?

★ ★ ★ ★
Hi-Ho! Let's Go To The Fair!

It happens every September — tobacco harvest begins in earnest, school bells wake from their long summer's silence, and country fairs sprout from the streets and sidewalks of Main Street and from the cow pastures outside the small country towns.

The country fair is a real part of our heritage. It's a firm link with our past. It's a tradition that few of us would want to discard. Can you imagine your grandchildren growing up without knowing the joy of "goin' to the Fair"? It could happen. There are probably many reasons why it could happen, but there are two important ones that occur to us.

First of all, the wonderful homespun quality of the country fair could deteriorate, resulting in a gradual falling off of interest and attendance. We have seen many local fairs go this way. They seem to stagnate as far as the fair management is concerned; attendance falls off somewhat, and the management panics; they begin to bring in more and more of the hurdy-gurdy carnival atmosphere to attract their declining patrons. Before they realize how far they have gone, the carnival flavor has completely destroyed the country fair tone, and this is the beginning of the end. Carnivals may have their place, but they should be labeled as carnivals, not fairs.

The second thing that could kill off the fairs is your lack of interest and support of your local fair. These two points are probably closely related, but they are a little like the chicken and the egg — which comes first?

We think perhaps your interest comes first, for it is your participation as an exhibitor or as a visitor that will sustain your fair. Anything will suffer from neglect, and fairs are no exception.

So, support your local fairs. Demand that they be maintained as fairs, not as carnivals. Help your local fair committee constantly upgrade the quality of your fairs by adding new things that are appropriate and would be of interest to the fairgoers. Most important, don't wait to see if "Joe" will do it; you do it!

It will take everyone's help to keep the Country Fair tradition alive for our grandchildren, but we firmly believe it can and should be done.

"LISTEN TO YOUR PLANTS

Someone once said, "If starved plants could only squeal like hungry pigs, we would pay more attention to their fertilizer needs." Even though plants cannot squeal, they have means of telling us of their plant food deficiencies, which we speak of as hunger signs. Of the 92 elements of which the earth is composed, plants require for proper growth considerable amounts of only 10 major elements and minute amounts of a number of others. The major elements are carbon, hydrogen, oxygen and nitrogen which come directly or indirectly

from the air and water, and phosphorus, potassium, calcium, sulphur, magnesium and iron which come directly from the soil. Copper, zinc, boron, manganese, and perhaps others which come directly from the soil, are required only in minute amounts but are important from the standpoint of plant growth or the well-being of those animals that consume the plants.

The symptoms of a mineral deficiency in the soil may be regarded as the language plants use to tell us of their lack of proper nourishment. At times, it is very difficult to

(Continued on Page 15)



Spokesman for God

Lesson for September 13, 1964

Background Scripture: I Samuel 1 through
Devotional Reading: Psalm 11:1-7.

WHAT DOES the word "prophet" bring to mind? Fortune-teller, tea-leaf reader, weather predictor, "Old Man Mose"? One meaning of "prophet" to be sure, is a man who can tell you today what is to happen tomorrow. In



the Bible this is sometimes the meaning of the word. Most prophets went in for prediction on some of the time, and most prophets' predictions sounded most unlikely to those who first heard them; but they came true. Indeed, according to Deuteronomy 18, one test of an alleged or self-styled prophet is the same as for a true one: Does what he foretells come true? If it does not, he is no true prophet. If it does, he is.

Exception to the rule

As a general rule, a prophet's contemporaries do not recognize him as such. Since most "prophets" are fakes, people suppose the true prophet is a faker too. Jesus said a prophet is not without honor except in his own country. Familiarity breeds contempt, the proverb says. How can an ordinary man we see every day be a prophet? Now Samuel, whose story is in the Old Testament, was an exception to this rule. In his own day, in his own country, his own people did recognize and honor him. Samuel was a man of many affairs and many talents. He was a soldier, revivalist, judge, historian, kingmaker. But he is best known as prophet. He had an extraordinary life. Every one knows the story of how his mother prayed for a child, and how this child was promised to the Lord before he was born. Well

known too is the story of his life in the shrine at Shiloh as a kind of apprentice priest; and how he first became a sensation by his denouncing High Priest Eli, the aged, respectable and venerable Eli, head (if we may put it that way) of the State Church. What most people don't know is the rest of the story. Did his later life prove a failure? Was he a wonder child, fading into obscurity after his one outburst?

Leader of men

By no means. That incident at Shiloh was just the start. Measured by immediate results, Samuel was perhaps the most successful prophet who ever lived. The people listened. When he led a revival, there were many conversions; when he led an army, the army won. When he selected a king, the people elected Samuel's man. As long as the king followed Samuel's guidance, he was a success . . . but that's another story. The point is, Samuel was a true leader; he was believed, obeyed, followed. His judgments were accepted as God's judgments. His decisions and his commands were obeyed just as if God had been literally speaking with Samuel's mouth.

No man lives forever

Samuel's successes as a military man did not make him a war-monger. His own battles were fought to set free his people from foreign domination; his aim was justice and peace. And justice and peace the Hebrews had for a generation.

And then what? Something slipped, everything seemed to slip. Not until the time of Solomon was there such a peace as in Samuel's time, and Solomon's peace, not being founded on justice, did not endure. There is a point here sometimes forgotten. No man lives forever; and no matter how good, brave, smart and successful a great man may be, sooner or later "his place knows him no more." Even a man who lives close to God must go the way of all flesh. We make a mistake if we think any man however good and great can arrange things so that the evils he has successfully fought will never return. The Philistines, the enemies of Israel, never came back in Samuel's time. But in later days they were even more troublesome than ever before. So unless there are successors to great men, the great man's good may die with him.

(Based on outlines copyrighted by the Division of Christian Education, National Council of the Churches of Christ in the U. S. A. Released by Community Press Service.)

Now Is The Time . . .

BY MAX SMITH

To Seal Silo Promptly

All silos that are not to be fed out of soon after filling, should be sealed within 48 hours after filling. In the case of the trench silo, it is very important to seal at once in order to reduce the spoilage over the larger area exposed. On upright silos spoilage can be reduced, if not eliminated, by topping with poor quality green material, or by sealing off with plastic. The use of plastic weighted down has worked very well on many types of horizontal (or trench silos). The important thing is to keep the plastic down tight at all times. Proper sealing of the silos will save valuable feed.

To Lime For Small Grain

Small grain fields that are to be seeded to alfalfa or clover next spring or next summer should be limed this fall before the grain is seeded; by working the lime into the soil this fall we give the lime a chance to sweeten the soil before the legumes are seeded. The practice of liming the field after the legumes are started is not using lime most efficiently.

To Cut Sorghum

We notice some fields of sorghum are heading out and will soon be ready for making silage. Research work shows that sorghum will have its greatest feed value as silage when cut in the soft dough stage of the sorghum seed-head. The crop should be chopped fine and no preservative is needed. Sudan grass should be cut in the early boot to heading time. When either of these crops are allowed to ripen the feed value decreases.

The rashness of youth keeps the home sires burning.

To Maintain Herd Condition

Pasture growth on many farms has been reduced due to dry weather. This means that stored feeding of hay and silage will be needed in order to hold the flesh condition on the cows. This is very important in the late summer or early fall; if the cows are allowed to get thin in flesh now, it will take more feed to get them back to normal for high winter production. Many permanent pastures are only an exercise lot at the moment and all feeding should be on a winter-time basis.

Lancaster Farming

Lancaster County's Own Farm Weekly

P. O. Box 266 - Lititz, Pa.

Office:

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Phone - Lancaster
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Don Timmons, Editor

Robert G. Campbell, Advertising Director

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New Test Sought For Bovine T.B.

ARS scientists are seeking a good supplemental test that will spot tuberculosis-carrying cattle that don't react to the standard skin test.

It is these undetected carriers that make finishing the TB eradication job in the United States so difficult.

A herd of cattle may contain only one undetected TB-infected animal, which can spread the disease to other members of the herd. These animals develop TB, react to the skin test, and are removed. Meanwhile, the undetected carriers may remain as a continu-

ing source of infection in the herd.

Following extensive research to solve this problem, ARS veterinarians A. B. Larsen and K. E. Kopecky at the National Animal Disease Laboratory, Ames, Iowa, developed what they call "a modified thermal test," in which a large quantity of tuberculin is injected into a cow's veins and her temperature measured. If she develops a rise in body temperature of at least 1.5 degrees F., peaking no lower than 103.2 degrees F., she should be considered a reactor.

The new test was tried out on 76 cows from herds believed to contain undetected carriers. The cows were first

given the standard skin test and 47 reacted. They were then given the thermal test and 21 reacted—16 that had reacted to the standard test and 5 that had not.

All 76 cows were slaughtered and examined at federally inspected establishments, and 35 were found to have tuberculosis lesions. Of the 47 cattle reacting to the standard skin test, 30 showed evidence of tuberculosis on postmortem examination. 16 of these did not react to the thermal test. Five cattle that reacted to the thermal test but not to the skin test were found infected on postmortem examination.

Larsen and Kopecky say these results show that the modified thermal test cannot replace the standard skin test but that it can be useful as a supplementary tool in detecting TB-carrier cattle. The scientists are continuing their studies to further improve the new test.

SEE-THROUGH SEED HOPPERS SAVE STEPS

On International Harvester's new 456 Hildrop Corn Planter, which was developed to increase the speed and precision of corn planting, the operator can quickly check the seed kernel fill level right from his tractor seat because of the high order of translucency of the molded fiber glass hoppers. These hoppers are produced for IH by the Molded Fiber Glass Company of Ashtabula, Ohio, which also molds fertilizer hoppers used on other IH planters.

A 30 pound capacity fiber glass reinforced plastic seed hopper is standard equipment on the new planter. A 70 pound capacity version, so compactly designed it can be used on 28 inch planting rows, is available on an optional basis. Both hoppers have snap on lids which protect seed

Lancaster Farming, Saturday, September 12, 1964—5

corn from moisture. The lids also keep the seeds in when the hopper is removed to check or change the seed plate in its base.

MFG-molded hoppers offer several significant advantages beyond the translucency. Their corrosion resistance, for example, is a critical need in fertilizer hoppers. In addition, molded fiber glass hoppers are rust and dent proof, resistant to abrasion, unaffected by temperature extremes and light in weight. Because MFG produces them by matched metal die molding, they are seamless and provide slide smooth surfaces inside as well as out — important to the free flow of seed or fertilizer. Parts made by this molding method are exceptionally strong and conform to close dimensional tolerances. Finally, the ruggedness of MFG molded hoppers promises lengthy service life with a minimum of maintenance under all weather conditions.

SENIOR EXTENSION CLUB TO HOLD FIELD DAY

The Lancaster County Senior Extension Club will hold its 3rd annual Field Day at Mt. Joy Community Park on Sunday, September 13.

Softball and volleyball games will begin at 3 p.m. with neighboring county clubs joining in the competition.

Supper will be provided by the refreshment committee. A short business meeting will be held followed by a few skits. The Rev. Kirk A. Hudson, minister of the Highland Presbyterian Church, Lancaster, will speak at the vesper service which will conclude the activities.

A special invitation is extended to all young people between the ages of 18 and 30 to attend this event as well as all former club members.

POCKMAN ADDS NEW VENTILATION SYSTEM FOR ENVIRONMENT CONTROL

In order to provide the poultry industry with the two different principles of ventilation commonly used in High Bird Density — Controlled Environmental Houses, the Pockman Manufacturing Company has announced the addition of the Coolair Ventilation System to its line.

Unlike other existing exhaust type systems — in which wall fans pull the air from one side of the building and exhaust it at the points of the fans — Coolair exhausts through the ceiling and introduces air through slots located in the circumference of the building.

In addition, Coolair has been researched to provide one of the increasingly important factors in the poultry industry — light control.

It has been specifically designed to fit into windowless houses which are adaptable to a lighting program.

FOR ACCURACY IN

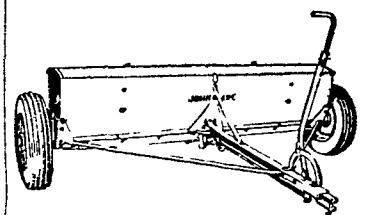
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and

SEEDING

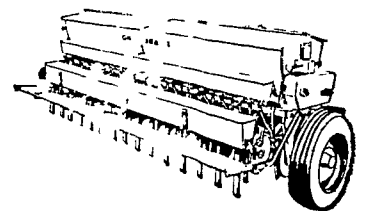
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The feeding program is based on Farm Bureau's Cooperative Mills Calf Feeds. It starts with Double Duty Calfmaker . . . a balanced milk replacement feed. From the eleventh day after birth, Double Duty Calfmaker is gradually replaced by Calf Developer.

During the critical starting period these two feeds supply all the vitamins and body building nutrients your calves need. They help to develop them into strong, healthy heifers.

Stop the drain on your milk dollar. Replace whole milk with Farm Bureau Calf Feeds for your calves.

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LANCASTER COUNTY FARM BUREAU

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QUARBYVILLE 786-2126



● ASC

(Continued from Page 1)
Previously there was no limitation on the number of terms committeemen could serve; (3) Provide for the election of county committeemen by all community committeemen at the county convention rather than by the chairmen of each community committee in the county.

The new law, which does not apply to 1964 committee elections, becomes effective for elections held after Jan 1, 1965.

Both county and community ASC committees are made up of farmers who are taking part or are eligible to take part in one or more of the farm programs which the committees administer.

Community committees are made up of three farmer-members elected by other eligible farmers in each community. These committeemen will in turn help elect the three farmer-members to serve on the ASC county committee. The county Agricultural Extension Agent usually serves as an ex officio member of the committee.

The changes are designed to give more continuity and stability to operating policies in ASC County Offices. This is part of a continuing process to make more effective use of farmer committees in local administration of programs, to increase their importance and status, and to attract outstanding farm leaders to serve in these positions.

Among the programs administered by the farmer committeemen are the Agricultural Conservation Program, acreage allotments, marketing quotas, commodity loans, the feed grain program, the voluntary wheat program, the Sugar Act program, the National Wool Program, farm storage facility loans, and other such programs. Other duties are assigned to the committeemen by the Secretary of Agriculture, as the need arises.

In order to establish the staggered term system for selecting county committeemen, one member will be elected for a one-year term, one member for two years, and the third member for a three-year term by community committeemen at their first county convention held in 1965. Thereafter, each member of a county committee will be elected for a term of three years.

convention held in 1965. Thereafter, each member of a county committee will be elected for a term of three years.

● Cage Layer

(Continued from Page 1)
Co equipment handles all of the inputs and the outputs for the cage layer.

This family manufacturing operation fits very nicely in Lancaster county with its long history of family-owned and operated farm businesses.

However, the products from the S.M. Mfg. Co. are shipped all over the U.S. and Canada through five distributors and 25 dealers. Mr. Mellinger said that he had recently sent a feed cart to Israel, and one to Japan. The inquiries he has been receiving from these countries and others indicate that international orders will soon be flowing in.

S.M. Mfg. Co. has no sales force on the road. All of their orders are gained through advertising that he and his distributors do, and by one satisfied customer telling another.

Presently the company has to sub-contract about one-half of their work. This is because of their location in the "country." It would be quite costly to bring in the three-phase current necessary to run such a plant. However, Mr. Mellinger is having a special single-phase motor made in Arkansas that will enable S.M. Mfg. to do all their own work in the future.

The best known product of S.M. Mfg. Co. is their powered feed cart that can feed birds in one, two or three-tiered cages. Different models are made holding from 450-1600 pounds of feed, and many of these are being used in cage plants in the county. Until about three years ago, these carts were powered only by gasoline. Then the Mellingers developed the electric cart. Electric is superior in the sense there is no noise or fumes associated with its operation. The cost of the electric cart is about one-third more than the gasoline cart because of the costs of motors and switches needed to handle the direct current supplied by batteries. This cost does not include the battery charger which should be used daily to keep the batteries operating at top efficiency.

In spite of their higher initial cost, the battery carts are really catching on. This year sales on battery carts are running about three times ahead of last year. Mr. Mellinger says that many people are beginning to trade in their gas carts on the electric ones.

How fast can you feed birds with these powered carts? Well, Mr. Mellinger gave us examples of two of his customers: One, feeds 15,000 birds in 35-40 minutes using the 700-pound capacity cart; another man feeds 33,000 birds in about 1 1/4 hours using the 1600-pound capacity cart. That's pretty fast!

Looking to the future, Mr. Mellinger feels that cage houses are here to stay, and that as they increase his business should increase, too.

At the NEPPCO Exposition in Harrisburg, October 6, 7 and 8, the products of this Lancaster County manufacturer will be on display. Everyone is invited to stop by and look them over.

● Tobacco

(Continued from Page 1)
PSU, if he had drawn any early conclusions on the effects of these various chemicals.

He told us that Diphenamid alone, or in combination with Trifluralin, had given good weed control with no apparent effects on the plants.

He said that Vernam and Eptam in either liquid or granular form gave good control at the six pound per acre rate, but not entirely satisfactory results at three pounds per acre.

There will be further, more detailed conclusions drawn when the experiment is completed. It may be found that a tested material controlled the weeds satisfactorily, but effected the total yield of the crop, or left a residue in the plant or in the ground that would prohibit its use.

Tobacco is primarily a high labor crop. Effective chemical weed control could be a very important factor in helping the farmer shave a few valuable hours of labor from each crop.

● Farm Calendar

(Continued from Page 1)
6 p.m. — 26th Pa. State Guernsey Sale, Farm Show Bldg.

Sept. 16 — 8 a.m. — All-American Dairy Show judging Guernsey, Brown Swiss and Ayrshire; Farm Show Bldg.

6 p.m. — Jersey Sale, Farm Show Bldg.

Solanco Fair, Quarryville.
Sept. 17 — 8 a.m. — All-American Dairy Show judging — Holstein, Jersey, Milk-ling Shorthorns.

1 p.m. — Pub. Hearing Certified Apple Program, Auditorium "A", Farm Show Bldg.

Solanco Fair.

Sept. 18 — Solanco Fair.

Sept. 19 — 4-8 p.m. — 4-H Chicken Barbecue, Lampeter Fairgrounds.
Farm Women #12 at home of Mrs. Henry Elson, Conestoga R2.

● Warning

(Continued from Page 1)
certainly swing the odds in your favor.

Allow no one to enter silo for any purpose from the time filling begins until about 10 days after completion, unless a silo blower has been run 10-15 minutes before entering silo or silo chute. Leave doors and windows of silo chute and silo room open (especially at lower levels) to provide cross-ventilation during the time of filling and for several weeks thereafter to prevent accumulations in the lower levels of the stable. Good ventilation is important in preventing silo gas poisoning.

Newly made silage should not be fed for at least two weeks after ensiling. It should then be fed cautiously and sparingly until danger of silo gas poisoning has passed.

Remember — that unusual brown or yellow colored is the tip-off to the presence of silo gas.

In case of accidental exposure, call your doctor immediately. Do not be deceived by an "apparent recovery" shortly after exposure.

FARM WOMEN 6

Farm Women #6 met Saturday at St. Paul's Evangelical United Brethren Church, Elizabethtown. Mrs. Mark Guver, Pres., conducted the meeting. The following business matters were discussed:

A bus trip to Sterling Gardens, Tex., N.Y., for Saturday, Oct. 10.

The county convention Saturday, November 7, at Solanco High School, Quarryville. Donation of \$20 to Needle Work Guild.

Hostesses were Mrs. Milton Eberly, Mrs. Paul Hess, Mrs. Chas. Nissley and Mrs. Chas. Rife.

The next meeting will be held October 3 at a place to be announced later.

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Lifetime Local New Agriculture Holstein Records Yearbook Is Out

BRATTLEBORO, Vt. — Lifetime milk and butterfat production achievements for the following Registered Holstein cows in Lancaster County have been reported from official records of the Holstein-Friesian Association of America. This current information brings their lifetime output totals to more than 100,000 lbs of milk, since they reached two years of age:

Red Rose Pabst Prilly Alma 3879997, 117,463 lbs. milk and 4,220 lbs. butterfat in 2,777 days on official test. She is owned by Red Rose Research Center, John W. Eshelman & Sons, Lancaster.

Roaring Maples D H Beauty 3150852, 111,934 lbs. milk and 4,039 lbs. butterfat in 4,394 days. Roaring Maples Black Beauty 3818583 (GP), 105,433 lbs milk and 4,328 lbs. butterfat in 2,869 days; Roaring Maples Lucifer Faith 3926244 (GP), 105,334 lbs milk and 4,035 lbs. butterfat in 2,594 days on official test. All are owned by Roy H & Ruth H Book, Ronks.

Heitzler Sovereign Star Noia 3630074 (GP), 108,641 lbs.

The United States' stake in world agricultural trade and aid is surveyed in depth in the 1964 Yearbook of Agriculture, Farmer's World, published this week by the U.S. Department of Agriculture. American agricultural exports exceeded \$6 billion in

milk and 4,184 lbs. butterfat in 3,296 days on official test. She is owned by Hertzlers Dairy Farm, Elizabethtown.

Caernarvon Greenwood Thyr-sa 3490127 (VG), 108,363 lbs. milk and 4,943 lbs. butterfat in 3,448 days on official test. She is owned by Harvey W. Stoltzfus, Morgantown.

Fultonway Sovereign Jewel 3598148, 106,808 lbs. milk and 4,387 lbs. butterfat in 3,296 days on official test. She is owned by J Mowery Frey & Son, Lancaster.

More than 18,500 Registered Holsteins have exceeded this food production milestone while enrolled in the official test breed improvement programs of the Holstein Association. Still more have achieved similar goals in unofficial testing programs

fiscal year 1964, the largest agricultural export operation ever carried out by one nation in a single year in the world's entire history. The new record speeded up by 4 years the export timetable previously set up in earlier USDA projections.

The 608-page 1964 Yearbook of Agriculture covers a broad spectrum of world sources of food and their potentialities; the production of many crops in world trade; world marketing of farm goods; types of trading here and overseas; international organizations and trade agreements, including the Common Market; assistance programs; and outstanding needs and problems as to research, uses of farm goods, income and the development of nations, nutrition, and economics.

Secretary of Agriculture Orville L. Freeman in the foreword points out that our exports of farm products equal around one-sixth of cash receipts from all farm marketings and that one acre out of every four is harvested for export.

He added "This book reveals the vital stake everybody in the United States has in a healthy export trade for Amer-

Lancaster Farming, Saturday, September 12, 1964—7

ican agriculture, not only because farmers have so much to sell and because the livelihood of so many Americans besides farmers depends on it, but also because the world so greatly needs what we can offer."

Distribution of the Yearbooks of Agriculture, Congressional documents that have been published more than 100 years, is mainly by Members of Congress. The Superintendent of Documents, Washington, D.C. 20402, has copies for sale at \$3 each; or write your Congressman, he has some copies for free distribution.

PENB ANNOUNCES SPECIAL RESEARCH FUND

The first investment in the Special Research Fund established recently by the Board of Directors of the Poultry and Egg National Board has been made by the Poultry Industry Manufacturers' Council, it has been announced by Lloyd H. Geil, PENB's General Manager, and Donald B. Ellis, Executive Secretary of

the PIMCO.

This investment, of \$500, was made for research into promotion for methods to increase sales and consumption of eggs.

The Special Research Fund Program was set up to permit the acceptance of money earmarked for certain areas of research, and to administer the program.

"This Fund will help increase our ability to make more grants for needed research," Geil said.

The PENB Technical Research Advisory Committee, of which Dr. Richard H. Forsythe, of Iowa State University, is Chairman, coordinates this program for PENB. Some of the recent PENB grants were those given to Dr. Ralph L. Baker, of Ohio State University, for his study of "Facts on Consumer Egg Buying," and to Dr. F. A. Kummerow, of the University of Illinois, for his research on "Factors Which Influence Cholesterol Metabolism."

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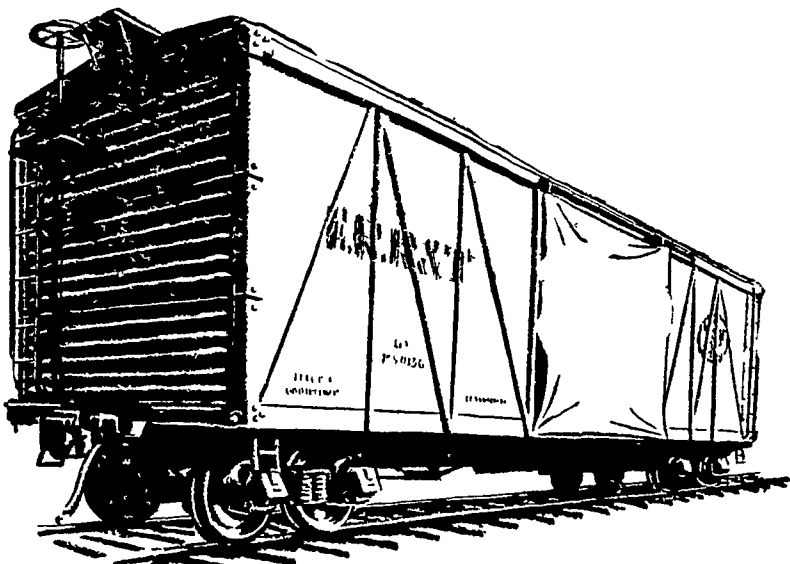
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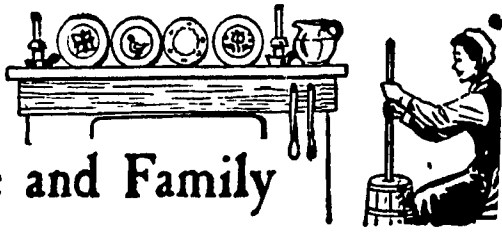


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MIND YOUR MENU

By Mrs. Richard C. Spence



SPENCE

A well-planned menu is the basis of any good meal. If yours is a family of growing children it is especially necessary that you are aware that they are getting the proper proportion of vitamin nutrients every day. With the wide variety of seasonal foods available the year round now there is no need for your meals to be monotonous. If your family is rather hesitant about trying new foods you will have to use them subtly at first, don't be too surprised when they say "when are we going to have that again?" Sometimes what your family doesn't know about the ingredients in a casserole won't hurt them!

Here are some menu suggestions

Orange Sweet-Sour Tongue, 2 oranges, peeled, cut into bite-size pieces
Steamed Rice, Parslied Green Beans, Tossed Green Salad— 2 to 3 tablespoons sliced almonds, toasted
French Dressing, Rolls, Butter, Raspberry or Pineapple Sherbet, Cookies, Coffee, Tea, Milk

ORANGE SWEET-SOUR TONGUE

- 3 to 4 pound fresh beef tongue
- 1 medium onion, sliced
- 1 carrot, peeled, sliced
- 2 stalks celery, sliced
- 2 sprigs parsley, chopped
- Boiling water
- 2 teaspoons salt
- 1/4 cup butter or margarine
- 3 tablespoons flour
- 1/4 teaspoon salt
- 1/8 teaspoon pepper
- 1 tablespoon firmly packed brown sugar
- 1/2 cup fresh orange juice
- 1 tablespoon grated orange peel

Wash tongue and place in large deep kettle. Add onion, carrot, celery and parsley. Cover tongue with boiling water, add 2 teaspoons salt. Bring to boil, reduce heat and simmer 2 1/2 to 3 hours, or until tender. Drain, reserve liquid. Trim off bone and gistle at thick end. Skin tongue while still warm. Slice tongue, keep warm while making sauce.

Strain reserved liquid from cooking tongue, measure 3 cups liquid. Puree strained vegetables. Heat butter in saucepan, blend in flour, cooking until mixture bubbles. Slowly add the 3 cups liquid with pureed vegetables, stirring until smooth and thickened. Season with 1/4 teaspoon salt, pepper, brown sugar and orange juice. Just before serving, stir in orange peel and orange slices, heat. Pour hot orange sauce over warm slices, garnish with toasted almonds. 8 to 10 servings.

Favorite Meat Loaf, Baked Potatoes, California Orange Carrots, Iceberg Lettuce Wedges, Thousand Island Dressing, Hot Biscuits, Butter, Honey, Fresh Fruit and Cheese, Coffee, Tea, Milk.

CALIFORNIA ORANGE CARROTS

- 1 bunch carrots

- 3/4 cup water
- 1/2 teaspoon salt
- 1 orange, peeled, cut into bite-size pieces
- 2 tablespoons butter or margarine
- 1 tablespoon fresh or freeze-dried chopped chives

Wash and scrape carrots; cut in 1/4-inch crosswise slices. In small saucepan, bring water to boil. Add salt and carrots. Cook, covered, until carrots are just tender, 10 to 20 minutes. Drain. Add orange pieces, butter and chives; return to heat until orange pieces are just heated through. Serve at once.

Baked Pork Chops, Scaloped Potatoes, Peas and Sautéed Mushrooms, Waldorf Salad, Hot Rolls, Butter, Fresh Orange Sauce on Warm Gingerbread, Coffee, Tea, Milk.

FRESH ORANGE SAUCE ON GINGERBREAD

- 3 oranges, peeled, cut into bite-size pieces
- 2 to 3 tablespoons sugar
- 2 1/2 tablespoons cornstarch
- 1/2 cup sugar
- 1/4 teaspoon salt
- 1/2 teaspoon grated orange peel
- 1 cup orange juice
- 1 cup water
- 3 tablespoons butter or margarine

Gingerbread squares
1 cup sliced toasted almonds or flaked coconut

Combine orange pieces with 2 to 3 tablespoons sugar to sweeten, set aside. Combine cornstarch, 1/2 cup sugar and salt in saucepan, mix well. Add orange peel, orange juice and water. Bring mixture to boil, lower heat and cook 4 to 5 minutes or until thickened, stirring constantly. Add butter, stirring until melted. Remove from heat. Add undrained sweetened orange pieces. Cool. Spoon sauce over warm gingerbread squares and sprinkle with toasted almonds or flaked coconut. Sauce is also excellent over spice or yellow cake. Sauce will keep several days when covered and refrigerated. Makes 3 cups sauce.

Roast Duck, Candied Yams, Buttered Broccoli, Fresh Fruit Salad, Butterflake Rolls, Butter, Orange Blossom Pie, Coffee, Tea, Milk.

ORANGE BLOSSOM PIE

- Crust
- 1 1/2 cups finely rolled ginger snap crumbs

- 1/4 cup softened butter or margarine
- 1/4 cup sugar
- 1 tablespoon grated orange rind

- Filling:
1 envelope unflavored gelatin
- 1/4 cup cold water
- 1/2 cup sugar
- 3 egg yolks
- 1 6-ounce can frozen orange juice concentrate, thawed
- 1 tablespoon lemon juice
- 3 egg whites
- 1/2 cup sugar

Thoroughly blend ginger snap crumbs, butter or margarine, sugar and grated orange rind. Press firmly against bottom and sides of a 9-inch pie plate. Bake in a moderate oven (375 degrees) 8 minutes. Cool.

Soften gelatin in cold water for 5 minutes. In top of double boiler combine 1/2 cup sugar, egg yolks, slightly beaten; orange juice concentrate and lemon juice. Cook over hot water, stirring constantly until mixture thickens and coats metal spoon. Add gelatin and stir to dissolve. Cool. Beat egg whites until soft peaks form. Add 1/2 cup sugar

gradually, beating after each addition. Fold meringue carefully into cooled orange mixture. Pour into crust. Chill 4 hours or until set. Garnish with mandarin orange sections.

These cranberry treats can be made in your electric fry pan. Make them in the cool of the morning and they'll be all ready to finish off an evening supper on the patio. Make your own cranberry sauce or use the canned.

CRANBERRY PUDDING CAKE

- 1 1/4 cups sifted all purpose flour
- 1/2 cup sugar
- 2 teaspoons double-acting baking powder
- 1/2 teaspoon cinnamon
- 1/4 cup shortening
- 1 cup whole cranberry sauce
- 1/2 cup dates (cut up)
- 1/2 cup walnuts (chopped)
- 1/4 cup raisins
- 1 teaspoon butter
- 3/4 cup brown sugar

(Continued on Page 9)

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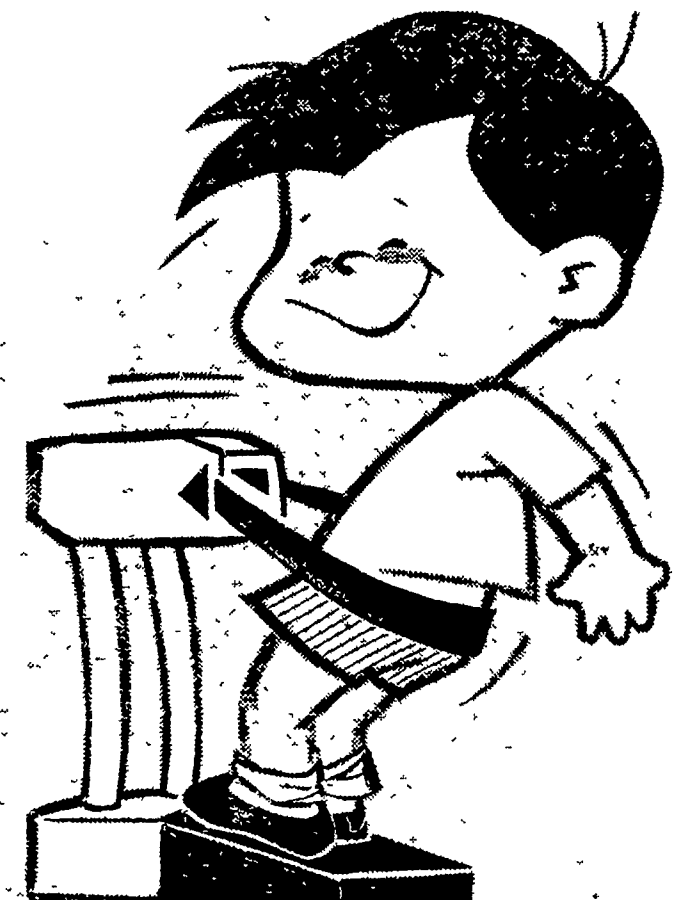


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● For The Farm Wife

(Continued from Page 8)

2 cups cranberry juice cocktail
1 teaspoon lemon juice
Sift flour, sugar, baking powder and cinnamon. Cut in shortening till mixture resembles cornmeal. Add cranberry sauce; mix just enough to dampen. Fold in dates, walnuts and raisins. Place butter, brown sugar, cranberry and lemon juices in 10" electric fry pan. Set temperature at 260 degrees and bring mixture to a boil. Turn temperature down to 225 degrees. Drop batter by tablespoonfuls into hot syrup. Cover. Bake 20 minutes. Remove cover and bake 10 minutes longer. May be served cold; or at serving time, reheat on simmer setting for 10 minutes. 8-10 servings.

If you've always thought of a parfait as a frozen dessert or a sort of tall sundae, you have a surprise coming in this attractive Parfait Salad. It's made with creamy cottage cheese and delicious fresh or frozen fruits, so it's low in calorie but high in food value. Layer cottage cheese in a parfait glass with partially thawed frozen raspberries, melon balls, and fresh or frozen blue-

berries. Using frozen fruits is a convenience if time is short; however, while fresh fruits are plentiful in garden and market, you may prefer to choose your own medley of red-ripe strawberries, raspberries, and cantaloupe or honeydew melon. When you use fresh berries, they should be lightly sugared, allowed to stand, then drained and the reserved juice used in making Saucy Dressing for the parfait.

PARFAIT SALAD

1 package (1 pound) frozen raspberries
1 package (12 ounces) frozen melon balls
1 cup fresh or frozen blueberries
2 pints small curd cottage cheese

Partially thaw each fruit separately. Drain raspberries, reserving juice. Allow 1/2 cup cottage cheese for each parfait, layer alternately with raspberries, melon balls and blueberries, beginning and ending with cottage cheese. Garnish with a frozen raspberry, if desired. Pass pitcher of Saucy Dressing made by blending 1 cup dairy sour cream, 6 tablespoons drained raspberry juice and 1/2 teaspoon grated lemon rind. Serve with toasted Sesame Wafers. Makes 6 servings.

For variety, Hot Weather Treat makes breakfast really fun. Blend chocolate syrup, vanilla ice cream and milk into a milkshake-like consistency. Then pour it over bowls of cereal, such as corn flakes, wheat flakes or rice cereal.

HOT WEATHER TREAT

6 cups favorite flake cereal
1/4 cup chocolate syrup
6 scoops vanilla ice cream
1 cup milk

Pour cereal into 6 large cereal bowls. Blend chocolate syrup, ice cream and milk until thick and creamy, pour over cereal. Serve immediately. 6 servings.

COCONUT TOASTED MUFFINS

1/2 cup (1 stick) butter, softened
1/2 cup flaked coconut
2 tablespoons brown sugar
1/4 teaspoon mace
6 small English muffins, cut in half

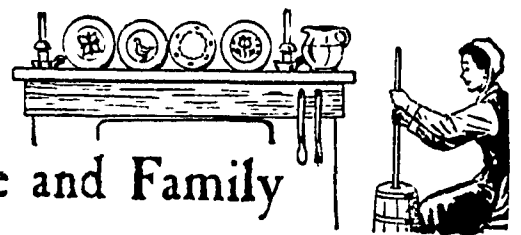
Mix butter with coconut, brown sugar and mace. Spread butter mixture generously on cut side of muffins. Broil 1-2 minutes until golden brown. 6 servings.

These sausages you sent me are meat at one end and breadcrumbs at the other," said Mrs. Andrews.

"Yes, madam," replied the butcher, "in these hard times it is difficult to make both ends meet."

Lancaster Farming, Saturday, September 12, 1964—9

For the Farm Wife and Family



Ladies, Have You Heard? . . .

By: Doris Thomas, Extension Home Economist

When You Starch Dark Cottons

If you use one of the thin solution type starches to starch dark cottons, follow mixing directions carefully. Strain hot water starch before using.

Turn each garment inside out, then work starch well into the damp fabric and wing out. If starching a number of pieces at one time, you can use the automatic washer to spin out excess starch.

Smooth out seams and folds where starch may collect.

Iron on the wrong side of the garment to avoid a shine.

When a garment needs touching up on the right side, use a clean lightweight press

cloth and press lightly.

If you do each one of these steps in the starching process, you can prevent streaks in dark cotton.

Waxing Floors

There's no set rule for how often you need to wax floors. It depends on a number of things including the amount of gritty soil tracked in, the amount and types of spills, and the carefulness of family members.

Where you use a polishing

wax, complete rewaxing two or three times a year is probably all that's needed. You can wax heavy traffic areas when needed without doing the entire floor. If possible, it's a good idea to use an electric polisher once a week to keep the shine.

Self-polishing wax may last a month or more in the average home. You can remove tracks if you damp mop with clean cool water.

A simple guide to rewaxing with either a polishing wax or self-polishing wax is this . . . when soil sticks and the floor looks dull, and when buffable wax no longer can be buffed to a shine, then it's time to apply a fresh coat of wax.

For best results, always remove self-polishing wax completely before applying new wax.

(Continued on Page 10)



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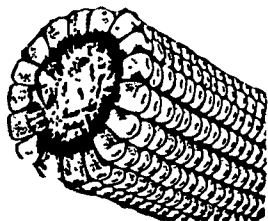
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● Have You Heard?

(Continued from Page 9)
Some Guides to Buying Towels

Look at the loops carefully. Surface loops do the drying so if loops are thick and closely packed, the towel dries the body quickly and holds moisture without letting it soak into the ground weave. Such a towel dries quickly after use.

The underweave must be able to stand the tugging and pulling and also hold the loops firmly in place.

For towels that will need to take rugged treatment, look for those with thick, densely packed loops and a firm, tight underweave. You can see this easily at hems and borders.

Hold the towel up to the light. If you see uneven and thin spots, you can be sure the towel can take little wear because it's loosely woven.

Look at the selvege. In high-quality towels, there's strength in a closely woven selvege. When correctly made, hemmed or edge-stitched selvages give satisfactory wear.

A towel has three requirements: to absorb moisture from wet skin, to bear the strain of tugging and pulling, and to dry quickly after use.

If you wish to preserve your own or your daughter's wedding gown for the next generation, send the gown to a reliable drycleaner before storing it. Ask the drycleaner to hand dryclean it. When you pack the gown, use plenty of tissue paper between the folds, then store the gown in a cool dry place to avoid mildew.

FARM WOMEN 14 HEAR MRS. JAMES RAPP

Society of Farm Women 14 met Wednesday afternoon at the home of Mrs. Roy H. Book, R1. The following members acted as assisting hostesses: Mrs. Charles Murray, Mrs. Ellis Esbenschade, Mrs. Vincent Hershey, Mrs. Joseph Nolt and Mrs. William Dean.

Members of Society 25 were entertained at this meeting. Mrs. James Rapp, Lititz, was the speaker. Her subject was "The Teenage World."

A donation of \$10 was given to each of the following: the United Campaign, Needlework Guild, Arthritis and Rheumatism Foundation. The Society will be entertained by Society 18 at Manheim on Sept. 26.

The October meeting will be held on Wednesday, Oct. 14 at the home of Mrs. Clarence Groff, Strasburg R1. The annual dues are payable at this meeting.

4-H Club News

LANCASTER 4-H COUNTY COUNCIL

by Eric Stoner

The Lancaster 4-H County Council met on Thursday evening, September 3, to begin planning a return exchange between Lancaster County and Larimer County, Colo., 4-H Clubs.

Last June 19-24, thirty-one 4-H'ers from Larimer and Jackson Counties in Colorado, visited here as guests of county 4-H members. They toured the Amish country and saw the sights of the county before going to the World's Fair. All persons involved seemed to learn something from the five short days that the Colorado youngsters were here.

Now, the Lancaster County 4-H'ers who hosted the boys and girls from Colorado have been invited to come to Colorado to complete the exchange. The tentative date for this trip is June 20, 1965.

The Council decided that now is the best time to raise the money which will be involved in the exchange next summer. To raise the needed amount, the County Council will have refreshment stands at the Solanco, New Holland, Ephrata and Manheim Farm Shows.

A lot of help will be needed

to run these stands. Not only County Council members but all interested 4-Hers are asked to volunteer their help. They should contact any County Council member so that a daily working schedule may be set up.

The cooperation and patronage of all people interested in 4-H will be appreciated. The success of the fund-raising plan will brighten hopes for the Colorado exchange as well as any future exchanges.

JOLLY STITCHERS

The Jolly Stitchers 4-H Club of Farmersville held a fashion show and mother's tea on September 2 at the Hans Groff School in Farmersville.

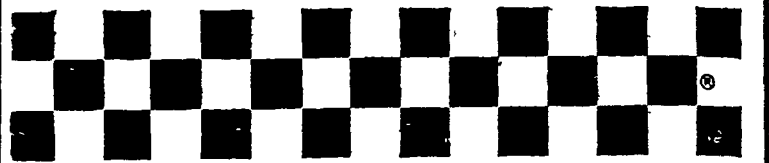
The fashion show began at 7 P.M. The narrator was Mrs. Grant C. Smith of Ephrata RD 2.

There were nearly 70 people present, and there were 28 girls in the fashion show. After the show the mothers were served punch, potato chips, candy and cookies.

OFF TO ENGLAND

Richard Psolla, of Camp Hill, Pa., local representative for the Quaker Oats Co., will leave for England on September 23rd. His job there will be to train personnel in preparation for introducing a new feed plant which Quaker Oats plans to build in Southall, England.

Until Psolla returns on December 15th, his job here will be filled by Bill Bromley, of New Kensington, Pa.



Checkerboard News



Raise bigger, better calves... THE PURINA WAY!

The success of the Purina Calf Feeding Program is clearly written in Purina Research Farm records. Of over 2200 calves born—all raised on Purina calf starting programs—less than 1% failed to grow to maturity.

Recently, a Purina Farm Holstein calf weighed 409 lbs. at 4 months—137 lbs. heavier than the normal breed average. And a 4-month-old Guernsey weighed 322 lbs.—105 lbs. above the normal breed average at 4 months!

Next time you start calves, order Purina Nursing Chow and Purina Calf Startena—palatable, power-packed products—at our store.

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Other high-yielding Hoffman wheat varieties are **PENNOLL**, **SENECA** and **DUAL**.

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See your Hoffman Seed Man or Phone 898-3421 for full details.

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PENB Breeder-Hatchery Plan

A new breeder-hatchery financing program described as "one of the major steps in financing progress" has been announced by the Poultry and Egg National Board. The program for efficiently helping finance egg promotions through PENB has been developed by a newly-formed Breeder Committee, of which Dr. George F. Godfrey, Vice President of Honneger Farms Co., Inc., Forrest, Illinois, is Chairman.

Breeders in the program have agreed to help finance the PENB promotions at the rate of one-half cent per foundation pullet placed. Many of these breeders have also agreed to ask their associate hatcherymen voluntarily to match their one-half cent per breeder pullet. The breeders will include the hatcherymen's investment for the poultry and egg national board on their pullet billings. All money collected from their associates in this manner will be forwarded to PENB. Hatcherymen who do not choose to follow this method may continue to send their investment to PENB on a monthly or annual plan.

"The leadership provided by these breeders is one of the major steps taken in financing progress in many years," Kenneth K. Heideman, PENB's Director of Finance and Membership Relations said.

Breeders in this program are the following:
Babcock Poultry Farm, Inc.
P.O. Box 286
Ithaca, New York
Cashman Leghorn Farms
Webster
Kentucky
Colonial Poultry Farms
Pleasant Hill
Missouri
DeKalb Agricultural Association, Inc.

Another Leader Condemns Gov't Wheat Program

Charles B. Shuman, president of the American Farm Bureau Federation, the nation's largest general farm organization, recently sent the following telegram to President Lyndon B. Johnson at the White House:

"The current wheat program, enacted this year by the Con-

gress in spite of the overwhelming disapproval of producers in the 1963 referendum, is a failure. The proponents of this complicated program claimed it would raise farm income. It has had the opposite effect. Market prices have been depressed and the sale of CCC wheat stocks is depressing the market even further. It is interfering with our ability to export wheat. It is the prime cause of an increase in flour and bread prices. It is greatly disrupting the whole wheat economy. Only about one-third of the 1,729,864 eligible wheat farmers are participating in the program, but all are being penalized. Farmers are making preparations for the 1965 crop. They should not be saddled with this program for 1965. It will further depress wheat farmers' incomes. I, therefore, respectfully recommend to you that you ask the Congress, while it is still in session, to repeal the legislation under which this program is being operated and substitute a price support program based on the market. Such a program is embodied in the wheat provisions of S. 1617, H.R. 6540, and other bills now before the Congress."

Mr. Shuman said copies of his telegram were being sent to the chairmen and ranking minority members of the agriculture committees of Congress and other Congressional leaders.

LONGER WEAR FROM HOSE

Proper length and size of nylon hose mean better appearance, greater comfort, and better wear, reminds Mrs. Mae Barton, Penn State extension clothing specialist. Proportioned hose are sized differently up and down and around. Also, different brands vary in sizes. When you find the brand of stockings that fit your legs satisfactorily, ask for them each time you buy.

Lancaster Farming, Saturday, September 12, 1964—11

Potato Insect "E" Award Control Program For Babcock

Inspection of potato fields recently shows the insect situation to be largely one of watching aphid build-up. Leafhoppers were not plentiful. A few growers had trouble with late infestations of the potato beetle.

The green peach aphid is increasing in many fields; it was not a problem in others. We have been having aphid weather. For control of this aphid use Endosulfan (Thiodan) at 1 to 1½ quarts 2# per gallon emulsion or 1 pound 50% WP. Two applications at ten day intervals are needed. Growers using Systemics at planting time can expect this aphid now. If fields are very late, control of the aphid is necessary. Otherwise, if the crop is made, no control is suggested.

Maintain fungicide protection in your late sprays. Use maneb at 2½ pounds per acre. Late blight was reported in Erie County on August 12. Above average rainfall and cooler temperatures will have to occur hereabouts before we have blight-favorable conditions.

Sodium arsenite is still the most effective chemical for vine killing of potatoes. Various brands carry different percentages of actual chemical. Follow label directions. These directions should result in 8 to 10 pounds of actual sodium arsenite per acre. Potatoes should not be dug until the vines have been dead 10 days to 2 weeks.

The Presidential "E" Award for significant contributions to the export expansion program of the United States was presented to Babcock Poultry Farm after a giant poultry industry barbecue sponsored by the firm on Wednesday, August 19, 1964.

Over 3,000 poultry industry men and their families were on hand to witness the presentation and enjoy delicious barbecued chicken, the sounds of Schnickelfritz, a famous German band, farm tours, free chicks and pony rides for the youngsters.

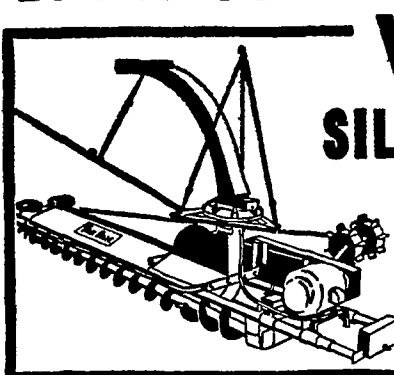
Presenting the award was Assistant Secretary of Agriculture John Baker, a featured speaker at the event. The presentation included an "E" citation signed by Assistant Secretary of Agriculture Orville L. Freeman and Secretary of Commerce Luther Hodges, which states that the award was given to the poultry breeding firm for its outstanding success in building foreign market for poultry breeding stock.

PAYS TO PAMPER PIGS

Pamper your pigs until weaning age. A study showed that for each extra 10 lbs. of weight at weaning, the pigs needed 12 less days to reach market. Pigs averaging 50-54 lbs. at weaning gained an average of 1.78 lbs. per day; those weighing 35-39 lbs. gained 1.63; 20-24 lb. pigs gained 1.4 lbs. daily.

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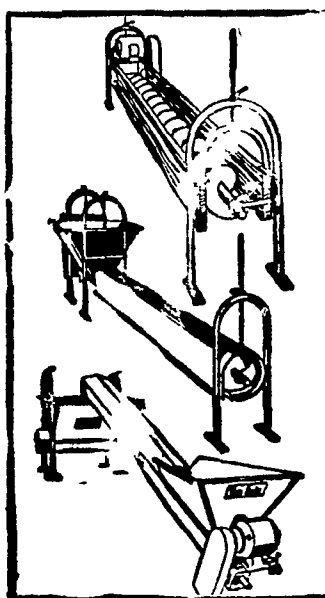


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Three-point suspension keeps unloader level at all times.

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The new, all-metal complete feeder. High capacity 8" auger rotates within tube. Gives all-weather protection, even feed distribution, and lower operating cost.

Conveyor Trough

An important link in automatic feeding. Positioned below silo chute, the VanDale conveyor trough carries the silage to the bunk feeder. Primary section includes hopper, drive assembly, and 10', 8" auger. Additional 10' auger sections may be added.

See us for modern automatic feeding equipment

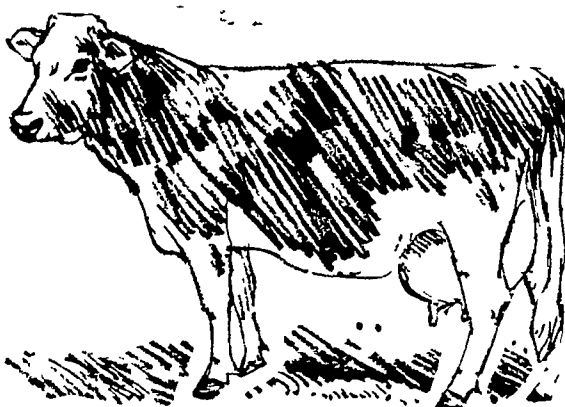
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SHORT OF SILAGE SPACE?

Put up all corn silage possible.

Corn contains at least 8000 lb. TDN per acre.

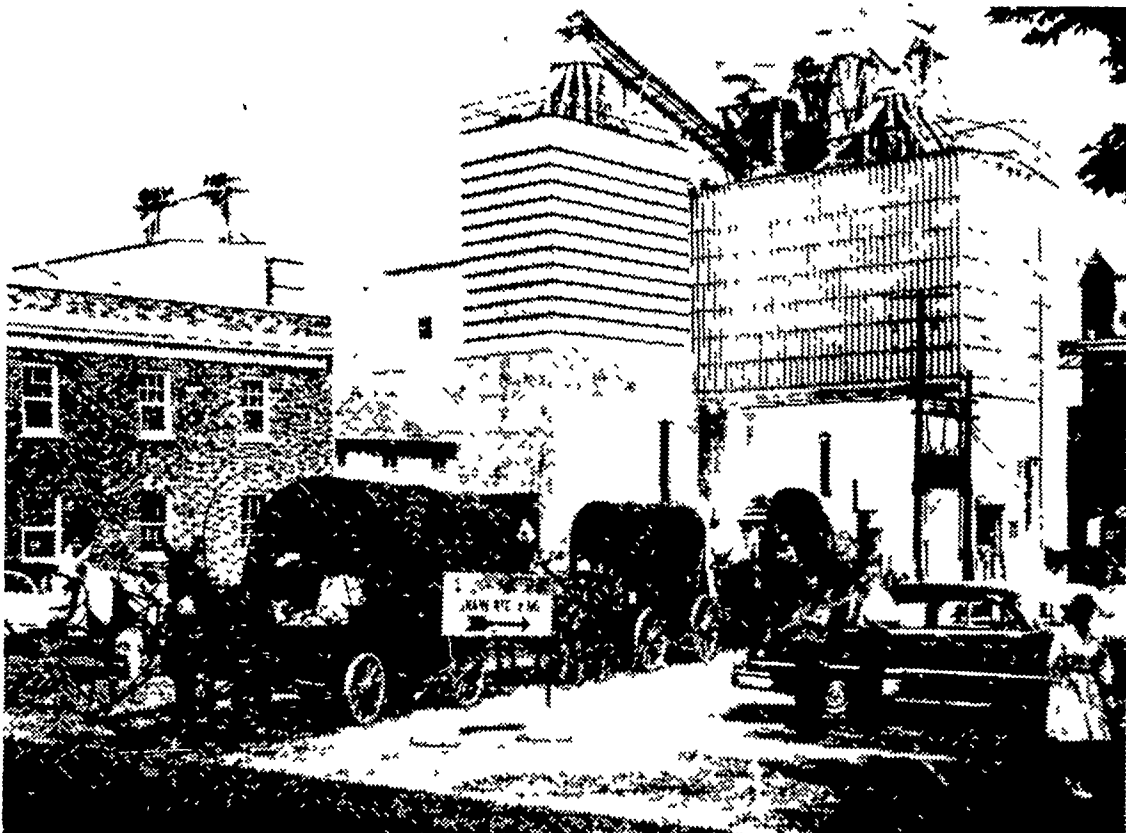
1. Place in a trench or put it on a pile.
2. Pack it solid.
3. Eliminate all air.
4. Cover with AGWAY plastic.



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"Time At The Crossroads". The old and the new met briefly at the Miller & Bushong plant at Rohrerstown recently when a wagon train heading for Texas territory pulled in for a little mule feed. The train belonged to the Charles Prickett Family, known in their home state as "the Amarillo, Texas Pioneers." They had recently come up for the New York World's Fair, a mere 90-day jaunt, and are now on their way home.

Interstate Swine Shipping Rules Will Be Changed

Changes in interstate shipping rules for feeder pigs and breeding stock to help the State Federal hog cholera eradication effort were published in the Federal Register recently the U.S. Department of Agriculture reports.

The more important changes do not take effect until April 1, 1965, some of the minor changes become effective by the end of September, 1964.

The changes in shipping rules to take effect next April will place more stringent requirements on interstate shipments from markets or other assembly points that have NOT received joint State Federal approval. Feeder pigs and breeding stock shipped from these points will have to be officially vaccinated at least 21 days prior to shipment.

Approved markets are those which have met the requirements for handling hogs under the Federal interstate regulations concerned with hog cholera eradication. Public stockyards also meet these requirements. Beginning next April 1 approved markets and public stockyards will be able to receive unvaccinated pigs only from farms of origin in adjacent States (Note: Farm of origin defined as farm where swine to be shipped interstate were born and which has not been used in past six months to assemble, buy or sell swine brought in from other sources).

Other requirements for shipments of healthy, officially vaccinated pigs to or from approved markets or public stockyards will not be affected by the changes in the shipping rules.

Also unchanged are the provisions allowing unvaccinated feeder pigs and breeding stock to be shipped directly from a farm of origin to a farm of destination under special permit.

The changes augment the present regulations, which took effect April 1, 1963, providing for health inspection and vaccination against hog cholera for feeder pigs and breeding stock involved in in-

terstate commerce. Details on all the shipping rules can be obtained from State and Federal animal disease control officials.

Dr. G. H. Wise, staff veterinarian for the Department's hog cholera eradication work, explains the purpose of the changes this way: "What we're trying to do," he says, "is provide additional assurance that any pigs shipped across State lines which go to farms — or come into contact with pigs that go to farms — will not spread hog cholera. In this way we help protect producers in those States actively engaged in the cooperative hog

cholera eradication program." Minor changes in shipping rules scheduled to take effect by Sept. 25, 1964, provide that hogs shipped interstate for exhibition purposes will be subject to the same requirements as those shipped for feeding or breeding purposes.

In another section of the amended regulation, five States — Montana, Nevada, Vermont, Washington and Wyoming — are designated as hog cholera eradication States. This means that they are in the fourth and final phase of the eradication program and that there is no clinical evidence that the virus of hog cholera exists in

Steers Are Not All Porterhouse

Carl F. Neumann, gen. mgr., National Livestock and Meat Board, suggests that unfortunately, or perhaps fortunately, scientists have not been able to genetically develop a steer that is porterhouse steaks from ears to tail. However, they have learned to manipulate the animal genes to the point that we are now producing steers with astounding percentages of lean-to-fat and lean-to-bone. Also they are learning that there are tendencies to ward meat tenderness which are inherited, which means animals can be bred to produce roasts and steaks with the characteristics which generally assure tenderness.

But these same critters just insist on having portions of their meat in such locations and places and forms, that it is best utilized as ground beef, as sausage and other table-ready products.

A steer just plain isn't all steak or rib roasts. He is, likewise, chuck. He is brisket. He is flank. He is a lot of cuts of meat — all highly nu-

tritious, highly palatable and appetizing when properly cooked — and it is not detracting from the prestige value of beef to admit this. In other words, all of the edible portions of the animal must be sold. Let's, somehow or other, put the same prestige value on all the animal's meat products that we now have with steaks or roasts — rather than criticizing and belittling the appetite of growing America for hot dogs and hamburgers, says Mr. Neumann.

Let us, in the beef business, be grateful and thankful he goes on, that Americans — young and old — like hot dogs and hamburgers, because there's a lot of this kind of meat on every critter that's sent to town. The market for beef is not improved by the belittling of these products which are so essential not only to the well-being of our industry, but also to the purchasing and living patterns of many millions of Americans.

SLIGHT RISE FARM INCOME

HARRISBURG — Average prices received by Pennsylvania farmers for their products in mid-August were 2 per cent higher than a year earlier according to the Federal-State Crop Reporting Service.

Most of the gain was attributed to a 9 per cent advance in egg and poultry prices since mid-July. Eggs were up four cents a dozen and turkeys up two cents a pound.

Livestock and livestock products registered slight increases, milk was up 15 cents a hundredweight and field crop prices were generally stable compared to mid-July. Fruits and vegetable prices, however, declined from 7 to 17 per cent in the month.

The index of prices received in mid-August was 227 per cent of the 1910-14 base, the same as a month earlier. It was 221 per cent a year earlier.

Poultry Equipment Is Our Business



"Cages Are Our Speciality"

E. M. Herr Associates . . . distributors of quality poultry and hog equipment.
We sell, service and stock —

Beacon Steel Cages, Brock Bulk Feed Bins, Aerovent Fans, Oakes Mechanical Feeders and Hog Equipment, Herrmatic Feed Carts — Egg and Manure Handling Equipment.

E. M. HERR ASSOCIATES

Willow Street R. D. 1, Penna.

Ph: 394-0654

START 'EM RIGHT! USE

CATTLE VITA-B10 50-350

Reduces loss due to shipping fever complexes!



Master Mix Cattle Vita-Bio 50-350 contains 350 grams of aureomycin per ton and 50,000 international units of vitamin A per pound. Cattle Vita-Bio 50-350 helps reduce losses due to shipping fever complexes . . . helps prevent foot rot and scours. Economical to use!



EBY'S MILL
Lititz, Pa.

HEMPFIELD MILLS
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BLEND & MCGINNIS
Atglen, Pa.

L. J. DENLINGER CO.
Paradise, Pa.

LEROY M. SENSENIG
Hinkletown, Pa.

ROSS H. ROHRER
& SONS
Quarryville, Pa.

Lancaster County Poultry Assn.

On Tuesday, September 15, the Lancaster County Poultry Association will conduct their annual poultry tour.

Busses will leave from the Poultry Center on West Roseville Road at 7.30 a.m. Expected time of return is 6 p.m.

Tour members should bring their own lunches. These will be eaten in Hegins Park, and a dairy truck will be on hand with drinks.

The following places in Schuylkill County will be visited:

1 — Spread Eagle Farms — 80,000 cage layers, modern egg-breaking plant.

2 — Carl Farms — family operation — broilers, layers and turkeys; they do their own dressing and marketing.

3 — Twin Valley Farmers Exchange — egg canning plant — owner also contracts about 125,000 layers.

4 — Pioneer Tunnel — a real coal mining operation. There will be a \$1.00 admission charge to tour the mine.

5 — Blyler Fruit Farm — orchards, fruit grading station, and cider press.

The price for this tour is \$2.50 per person. Call your reservation in now. Fares will be collected on the bus. There

will be 78 seats (two busses); first come, first served.

Call Poultry Assn. office (Tues. and Thurs. only), or, Greider Farms — 653-1776, or, County Extension Office — 394-6851.

OFFICIAL HOLSTEIN RECORDS BY AREA COWS

The following cows in Lancaster County herds have recently set new production levels:

Red Rose Leader Dolly Olive 4546479, a five-year-old, produced 23,427 lbs of milk and 816 lbs. of butterfat in 365 days. Red Rose Pabst Bert Wayne 3916726, an eight-year-old, had 19,902 lbs. of milk and 770 lbs. of butterfat in 359 days. Red Rose Butterfly Reg-

Lancaster Farming, Saturday, September 12, 1964—13

al Patsy 3879999, an eight-year-old, had 21,356 lbs. of milk and 751 lbs. of butterfat in 365 days. Red Rose Sovereign Madcap 4319160, a seven-year-old, had 19,859 lbs of milk and 721 lbs of butterfat in 365 days. Supreme Neal June 5845706, a six year-old, had 22,759 lbs of milk and 687 lbs. of butterfat in 365 days. Pathfinder Echo 5845704, a seven-year-old, had 18,714 lbs. of milk and 649 lbs of butterfat in 346 days. Red Rose Raven Roburke Bell 4776041, a four-year-old, had 18,153 lbs. of milk and 632 lbs of butterfat in 365 days. All are owned by John W. Eshelman & Sons. Red Rose Research Center, Lancaster.

Herlandia Rusty Snobal Ty Vic 4733634, a four-year old, owned by Hiram S. Aungst, Elizabethtown, produced 15,991 lbs of milk and 614 lbs. of butterfat in 365 days. Roaring Maples Dean Diamond 4286259, a six-year-old, owned by Roy H. & Ruth H. Book, Ronks, produced 18,846 lbs of milk and 729 lbs. of butterfat in 356 days.

Norway Maple Lula Min 4176443, a seven year-old, owned by Donald L. Hershey, Manheim, produced 13,628 lbs of milk and 537 lbs. of butterfat in 351 days.

Polly Marfield Rocket 5614802, a five-year-old, owned by Robert H. Kauffman, Elizabethtown, produced 16,374 lbs. of milk and 629 lbs of butterfat in 345 days.

3999431, an eight-year-old, produced 18,540 lbs. of milk and 841 lbs. of butterfat in 305 days. Elioc Josie Waynette 4663097, a four-year-old, had 15,610 lbs of milk and 608 lbs of butterfat in 248 days. Spring Hollow Henket Duchess 3885765, a nine-year old, had 15,960 lbs of milk and 718 lbs. of butterfat in 303 days. Essex Dauntless Beth 4074944, an eight-year-old, had 18,120 lbs. of milk and 670 lbs of butterfat in 301 days. All are owned by H. E. & Maybelle Ketterling, Lititz.

Trout Spring Hoe Wien 5077221, a three-year-old, produced 16,380 lbs of milk and 663 lbs. of butterfat in 305 days. Trout Spring Dean Labell 4494592, a five-year-old, had 18,240 lbs of milk and 653 lbs of butterfat in 305 days.

Trout Spring For Pauline 4494593, a five-year-old, had 16,020 lbs of milk and 648 lbs of butterfat in 353 days. All are owned by John E. Krieder, Lancaster.

Lucinda Fultonway Linda 3545468, an eleven-year-old, owned by Melvin G. Peifer, Lancaster, produced 17,092 lbs of milk and 647 lbs of butterfat in 365 days.

Valley Run Ty Vic Grace 4498031, a five-year-old, owned by Arthur D. & Mary K. Wenger, Manheim, produced 15,950 lbs of milk and 723 lbs. of butterfat in 335 days.

An auction is a place where, if you aren't careful, you'll get something for nothing.

big capacity in narrow rows!

Superpicker picks clean...non-stop!

Now you can pick or shell corn in narrow rows — 28" to 36" — two rows at a time with a Superpicker! New high-angled snapping rolls with patented snap bars keep you moving acre after acre, without plugging. Pick and husk... or pick and shell. New cage-type sheller interchanges with husking bed. It has big capacity, and load leveling corn thrower. Full year guarantee on picker and sheller.

where bold new ideas pay off for profit-minded farmers



Landis Bros.
Lancaster

Wilbur H. Graybill
Lititz, R. D. 2

H. S. Newcomer & Son
Mount Joy

Allen H. Matz
Denver

Chet Long
Akron

J. Paul Nolt
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A. B. C. Groff, Inc.
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Chas. J. McComsey
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Hickory Hill, Pa.

Mr. Dairyman: Would you spend \$1.00 to get \$3.00 in return?

Of course you would. Here's how!

Money spent for dry cow feed, if of the right kind and properly used, is like loaning money on sound collateral to be repaid in 90 days on the basis of \$3.00 return for each dollar loaned.



Feeding your dry cows the PIONEER way, may return your feed dollars back to you three-to-one.

A dry cow, fed only 600 lbs. of PIONEER DRY & FRESH may return as much as 2000 lbs. more milk.

PIONEER DRY & FRESH and THE PIONEER FEEDING PROGRAM gives the dry cow the nutrients she needs to maintain body reserves, produce a vigorous, healthy calf, and freshen strong, ready to go into top production and maintain the pace right through her lactation.

So why not put some money into that bank you have in your barn, and get it back three to one.

There is profit in PIONEER.

Stop in soon or ask our servicemen about the PIONEER DRY COW FEEDING PROGRAM.

REMEMBER there is a PIONEER FEEDING PROGRAM to fit your need.



Joseph M. Good
& Son
Leola

Good's Feed Mill
New Providence

BEEF EXPORTS

Some time ago, a special mission went to Europe to look into the possibilities for selling more beef there and to help lay the groundwork for promotional efforts. Mr. Jay Taylor, a cattleman and the mission's chairman, found the prospects good—in his words, "As Europeans face increased demand with a shortening supply from their traditional suppliers, we are convinced that significant commercial trade in beef and possibly live cattle will develop."

Back of this drive are the Department of Agriculture and the American Meat Institute, which is the national representative of the packers. But the interest of the government does not mean that the taxpayers will be called upon to meet any costs. To quote Mr. Taylor again: "The effort made to sell American beef in Europe may prove to be one of the most significant moves made by any industry to help itself through government-industry cooperation. This is in the tradition of the beef and livestock industry which has historically rejected government controls and subsidies." And President Johnson, in endorsing the effort, has said "... the accomplishments will be of major importance, particularly since they will be within the framework of normal commercial practice, free of any subsidy, either for the commodities or for transportation."

There are problems involved in this including those of cost. But they seem to be far from insurmountable. The incomes of European peoples have shown very substantial increases in late years, and there is no doubt as to the desirability of U.S. beef. Significantly, several European beef delegations have visited this country to familiarize themselves with the industry and its products.

This is a big undertaking fully deserving of the big goals its sights are set upon.

(Note: We hope that this will be more than just a beef exchange program!)

KREIDER AND FREY TOP RED ROSE DHIA FOR JULY

The Red Rose Dairy Herd Improvement Association of Lancaster County reported in their July newsletter that a Registered Holstein cow owned by J. Floyd Kreider, Mt. Joy R2, completed the highest 305 day lactation. Annie produced 20,632 lbs. of milk, 883 lbs. of butterfat with a 4.2% test. Second high lactation was completed by a Registered Holstein cow owned by Paul B. Zimmerman, Ephrata R1. Lucy produced 18,321 lbs. of milk, 861 lbs. of butterfat with a 4.7% test in 305 days.

The herd of J. Mowery Frey & Son, Lancaster R7, had the highest monthly butterfat average. This herd of 482 Registered Holstein cows averaged 1,556 lbs. of milk, 64 lbs. of butterfat with a 4.1% test. The herd of Vincent H. Hoover, New Providence R1, placed second. This herd of 207 Registered Holstein cows averaged 1,472 lbs. of milk, 63 lbs. of butterfat with a 4.3% test.

If living conditions don't stop improving in this country, we're going to run out of humble beginnings for our great men!

ATTENTION CATTLE FEEDERS!

7400 HEAD

in

FIVE FEEDER CALF SALES

LOCATED IN CENTRAL VIRGINIA
"Where Quality is Outstanding"

Angus — Hereford

Steers — Heifers

300 - 700 Pounds

ORANGE
CHARLOTTESVILLE
CULPEPER
MARSHALL
STAUNTON

September 22
September 23
September 24
September 24
September 25

1300 Head
1900 Head
1500 Head
1500 Head
1200 Head

All sales start at 1:00 p.m. (EST) except Marshall at 7:00 p.m.

Health requirements and all qualifications conform to the high standards of the Virginia Feeder Cattle Association

For further information contact:

J. B. STEPHENS

Ivy, Virginia — Telephone: Charlottesville 293-7669

5500 HEAD IN THREE

Winchester Feeder Cattle Sales

Farmers Livestock Exchange, Inc. Winchester, Virginia

ANGUS — HEREFORD — SHORTHORN

YEARLING SALE

Friday, September 18, 1964 - 1 P.M. (E.S.T.)

1500 head — Steers and Heifers — Dehorned
Weigh 500 to 1000#

1st FEEDER CALF SHOW AND SALE

Friday, October 2, 1964

SHOW - 10 A.M. — SALE - 1 P.M. (E.S.T.)

2500 head — Steers and Heifers — Dehorned

Weigh 300 to 600#

2nd FEEDER CALF & YEARLING SALE

Friday, October 30, 1964 — 7 P.M. (E.S.T.)

1500 head — Steers and Heifers — Dehorned

Weigh 300 to 1000#

All cattle will be state graded and sold in lots by breed, sex, and weight. Eligible for interstate shipment.

Morris Fannon, Auctioneer I. Fred Stine, Sale Manager

For Information — Write or Phone

NORTHERN VIRGINIA LIVESTOCK
PRODUCERS ASSOCIATION, INC.

P.O. Box 440 — (Phone: Area 703 — 662-2946)
Winchester, Virginia

PUBLIC SALE

of

FARM REAL ESTATE & MISCELLANEOUS

Saturday, September 19, 1964

1:30 P.M.

Located 3 miles south of Cherryville, 12 miles north of Allentown, 2 miles off route 145.

Selling 160 acres of soil, state of high fertility. Where on are constructed double set of farm buildings. One set contains a 55' x 60' round roof frame barn, feed room attached. Stanchions for 30 head of dairy cattle. Equipped with Jamesway Barn Cleaner, 12' x 40' concrete Marietta silo. Large corn barn and implement shed. Other odd buildings and farm pond. Also, 3 story brick house with two large rooms, shower bath and laundry downstairs. 4 rooms up. Full basement with cold cellar.

2nd set of buildings consist of a 3 story stone house equipped with hot water heat. Has full bath, 2 rooms down and 4 rooms upstairs, also full basement. Constructed on same place is large frame barn easily converted.

Terms: 10% day of sale, balance in 30 days.

Interested in a prosperous farm in Lehigh Valley area? Don't miss this sale.

Selling same time: used lumber 2" x 8", 2" x 6", 2" x 4", potato scale, 75 - 5/8 baskets, 10 hole nests, snow fence, sears say back, poultry picker, 1 quart milk bottles.

Household: Antique high chair, space heater, jelly cupboard, picture frames, crib, chest, bureaus, wash stands, rockers, chairs, wash set in rose pattern, powder horn, kerosene stove, lanterns and many more items.

ESTATE OF W. W. SHOEMAKER

Executors of estate:

Lamen, Elaine Shoemaker
Victor Plastow

Wilbur H. Hosler, auctioneer

Elias Spangier, attorney

Properties may be inspected 1:00 p.m. to 4:00 p.m. Saturday and Sunday, now to sale date.

ABSOLUTE AUCTION

433 Acre

Union County Farm

Thursday, September 24, 1964

1:30 P.M.

Situate along the highway leading from Laurelton to Weikert, approximately 2 miles West of Laurelton and Route #235.

THIS 433 ACRE FARM is made up of approximately 203 acres of tillable and pasture land; balance in woodland.

LOCATED IN THE BUFFALO VALLEY KNOWN FOR PRODUCTIVE FARMLAND

BUILDINGS — Large "L" shaped Bank Barn approximately 80' x 100' with milk house, and other outbuildings.

DWELLING — 2 1/2 story brick dwelling with 7 large rooms, 1 1/2 baths, 4 bedrooms.

FARM POND

INSPECTION — Thursday, September 17, 1964 — 10:00 to 4:00 P.M. and day of sale.

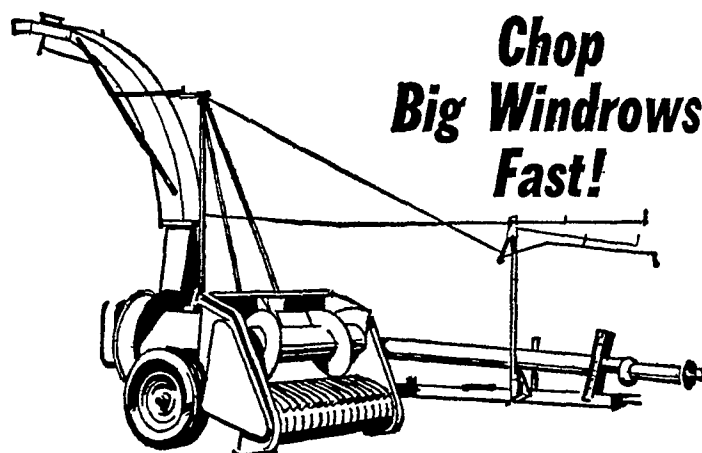
TERMS — 10% down day of sale. Settlement within 60 days.

REQUEST DETAILED BROCHURE . . . Brokers protected, register client before sale time.

SANFORD A. ALDERFER

Real Estate
Harleysville, Pennsylvania

Auctioneer
256-8891
Area Code 215



Chop
Big Windrows
Fast!

FORD FORAGE HARVESTER

- Sweeps Clean—floating pickup gets all the hay. Five-foot auger feeds uniformly.
- Heavy-duty cylinder, 4 spiral knives, short crop travel. Low power demands!
- Easy to Maintain and operate. Sealed-for-life bearings reduce greasing . . . simple adjustments . . . tractor-seat controls . . . easy-to-position delivery duct.
- More for Your Money. Built-in knife sharpener . . . 5-position tongue . . . 3-position main axle . . . choice of pto or engine drive.

ALSO: WITH DIRECT CUT AND ROW CROP HEADS. CHANGE IN MINUTES!

Chop Your Crop On Our Easy Terms

FORD

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Sauder Bros.

New Holland
Phone 354-8721

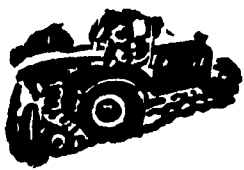
Elizabethtown
Phone 367-1341

Allen H. Matz

Denver
267-5602

Grimm's Ford
Tractor & Farm
Service

Park Ave., Quarryville
Ph. 786-2597



Classified Ads



Farm Equipment

For Sale — Ensilage leveler and mixer. Zimmerman's self propelled blower pipe attached light weight, 13 lbs. \$75 00. No shipping charges. Joseph Zimmerman, Box 71, Terre Hill, Pa.

For Sale — 1 used 200 gal. Guden bulk tank. Also used milk coolers.

CLARK ELECTRIC
R1, Kinners, Pa.

Ph Intercoarse 768-8501

New PTO self unloading bodies \$565; Gravity boxes \$185; 1200 bu. corn crib \$295; 3 pt. mounted blades \$95; bunk bodies and wagons \$995; new and used corn pickers.

KEENER EQUIP. CO.
Phone 569-9861
1531 Manheim Pike
Lancaster, Pa.

180 Amp. Lincoln Welder. New Price \$110.00. Hiestand, Inc. R1, Marietta. Ph: 426-9301.

For Sale — Balboa Rye for seed.

C. MARTIN GREENLEAF
R. D. 1, Oxford, Pa.
Phone Kirkwood LA 9-2704

Household Goods

Tapen gas ranges, Norge appliances, Quaker oil heaters and bottled gas service.

BENJ. SHENK
Lampeter, Pa.
Phone 397-2486

MISCELLANEOUS

RUN SPARE TIME Greeting Card Gift Shop at home! Show friends samples of new 1964 Christmas, All-occasion greeting cards, gifts! Take orders. Earn to 100% profit. No experience needed. Try without cost! Special fund raising plans for organizations. Rush name for samples on approval. Regal Greetings, Dept 153C, Fenton, Michigan.

WATER

As a rule can find a good spot for a well, measure the depth and make a good guess whether it will produce 2, 5, 10, 20-40 or 80 gallon per minute. Contact David B. Fisher, R1, Box 118, Christiansburg, Pa. 1 1/2 miles East of Kirkwood.

Mail Box Market

Wanted — 50 bales spoiled hay near Lititz. Ronald Gordley, Lititz, Pa. Box 389, R. D. 3. Phone 626-5187.

For Sale — 6500 HY-LINE PULLETS Ready to lay. Fully vaccinated. Elizabethtown 367-1495.

For Sale — Registered Toy Fox Terrier puppies. Call Ephrata 733-7584 for Pedigree and Particulars 1st place West of Clay on Rte. 322.

For Sale — Youngstown 66" double sink. Good condition. Phone 687-7837.

For Sale — 1,000 H & N pullets 20 weeks old. David Weiler. Phone 733-7541.

For Sale — 1 Wood Bros 1 row corn picker, 1 Ruth 30 ft. corn and hay elevator. N.H. Woodward & Son Mendenhall, 215 358 6900.

Wanted — Good used 15 hole metal chicken nests. Phone 626-53. Amos L. Keener.

Poultry & Supplies

Egg washers, new and used. We repair all makes. Hiestand, Inc., Marietta R1, Ph. 426-9301.



DAY-OLD & STARTED
VANTRESS
BROILER CHICKS

Longenecker's Hatchery
Elizabethtown, Pa.
EM 7-1545



Florin Farms, Inc.
R. D. 1, Mt. Joy
653-9891

TWO FINE LAYERS

Babcock B-300—A high speed layer featuring excellent livability and good early egg size.

Babcock B-370—A California Grey by White Leghorn cross featuring white eggs and ability to take stress. Both of these strains perform well in either cages or high density floor operations. Write for free literature and prices.

BABCOCK HATCHERY, INC.
R. D. #3, Lititz, Penna.
Phone: 626-5872
Area Code 717

We carry a large stock of new and used parts and equipment for Egomatic, Keenco, Dutchman, Hayste, Kuhl, Buckeye, and Kitson. Also, reconditioned D-5 and S-5 Egomatic graders, carrier track, carriers, brooder stoves, broiler hoppers, Vaccines and medications. We can ship by motor freight or parcel post.

JACK KRUPNICK, INC.
2215 Highway 9 (Southard)
Lakewood, N. J.
Tel. 201 363 7492
eve 201 349 3061

Now is the time to have your dairy barn or chicken house air conditioned by Vent-O-Matic. Control ventilation without drafts. All installation guaranteed. Also other used fans. Also Chore Time poultry equipment. Hiestand, Inc., Marietta R1, Ph. HA 6-9301.

Famous CHIX-CINERATORS. Efficient disposal of dead chickens, turkeys or other small animals by cremation. 30 day guarantee or money refunded. Hiestand, Inc. Ph. 426-9301.

14.7c - LOWEST COST

That's the lowest price yet that our new custom hatching service costs our customers per Leghorn Pullet chick. If you want to save dollars on your favorite Leghorn breed call 392-2192.

MARTIN'S HATCHERY
2823 COLUMBIA AVE.
LANCASTER, PA.

Poultry & Supplies



Layers
Greider Leghorn
Farms, Inc.

Phone OL 5-2455
MOUNT JOY R. 1, PA.

For Sale — DeKalb started pullets. Phone DeKalb York Hatchery, York 8-1770 or DeKalb District Sales Office, Lancaster 394-5157.

KimberCHIKS
from Hubbard Farms
MAKE MONEY



HUBBARD FARMS
Chicks
LANCASTER, PENNA.
392-2154



Livestock For Sale

ATTENTION Dairy Farmers — just received 200 close and fresh cows from Wisconsin — 1st and 2nd calf heifers — Holsteins, also some 3rd calf cows. Artificial animals, bred for high production. Drop us a card and we will come see you at your farm for arrangements or give us a phone call. Cash or credit. I. GREENBURG & SON, Mount Holly, N. J. Telephone — AMherst 7-1101 Code 609.

Feed and Seed

Arthur L. Reist
SMALL GRAIN
SEEDS

Certified & Uncertified Bailey, Wheat, Rye, Timothy. Reduced prices on our 15th Anniversary. 1050 Eden Rd., Lancaster. Phone 569-2079.

For Sale — Seed wheat, Red-coat and Dual and Rye Brook-lawn Farm, Neffsville. Phone 569-1580.

Help Wanted

Amishman to operate a blacksmith shop or harness shop. Contact John J. Hess, Intercoarse. Ph 768-3301.

Help Wanted — Housewives — Earn excellent profits demonstrating a complete line of foundation garments, full or part time. Will train at our expense. Phone 392-1587.

4-H CHICKEN BARBECUE "LISTEN" TO YOUR PLANTS

On Saturday, September 19, at the Lampeter Fairgrounds there will be a chicken barbecue from 4 to 8 p.m. sponsored by the 4-H Leaders Council.

Entertainment will be provided by the Lancaster Boots and Saddles 4-H Club of Lancaster in the form of a horse show. Booths will be manned by individual 4-H Clubs.

The committee for this affair is made up of the following: General Chairman — Leroy Welk; Tickets — Mrs. Jean Thomas; Publicity — Mrs. Herbert Royer; Takeouts — Gilbert Antes; Table Service — Mrs. Clyde Fink; Mrs. Richard Andrews; Mrs. Peter Laush; and Mrs. Dwight Yoder; Pur chasing — Mrs. Dean Fyock; Mrs. Robert Hess; Coffee — Mr. and Mrs. Melvin Long; Booths — Mrs. Floyd Atkins; Parking — Elmer Boyd; Clean-up — Mylin Good and 4-H Council.

Tickets are available from any 4-H member. Children's dinners — 75c; adults — \$1.50. Take-outs — \$1.00.

The barbecuing will be done by Graybill Miller.

(Continued from Page 4)

correctly interpret the symptoms of plant food deficiency in the field, due to other environmental factors constantly affecting the plants. Prolonged periods of adverse weather, insects and diseases may cause symptoms very similar to plant food deficiencies, but where there is a question concerning the deficiencies, chemical tests can be made for calcium, nitrogen, phosphate and potash — the four elements most likely to be deficient. Correction of these deficiencies can be made by applying the amounts of liming and fertilizer materials recommended by soil technicians on the basis of these tests.

Stanley H. Deiter

Auctioneer & Appraiser

LAMPETER

Ph. Lancaster EX 4-1790

Stanley S.

Hoffer

LIMESTONE

and

FERTILIZER

Sowing

Paradise, Pa.

687-6860

SPECIAL

Stocker & Feeder Sale

at Vintage Sales Stables, Inc.

Friday Evening, September 25, 1964

at 7:30

Kenneth E. Hershey, Manager

SPECIAL

FEEDER STEER SALE

JOHNSON CITY LIVESTOCK MARKET

Friday, October 9

Calf Sale, Friday, October 16

All cattle will be State graded and sold according to weight and quality.

1500 HEAD EACH SALE

Cattle will be weighed-in day of sale and sales will start at 7:30 P.M.

For further information contact Johnson City Livestock Market, Wed. and Thurs., at Johnson City, Tennessee 926-3933.

More Meat From Crossbred Cattle

Crossbred calves have better preweaning records than straightbreds in the first of a three-phase experiment to evaluate crossbred vigor in beef cattle, the U.S. Department of Agriculture reports.

The crossbred calves excelled in birth weight, average daily gain, weaning weight at 200 days, and weaning conformation score.

Scientists of USDA's Agricultural Research Service and the Nebraska Agricultural Experiment Station are using Angus, Hereford, and Shorthorn breeds in these studies of heterosis at the Fort Robinson Beef Cattle Research Station.

Bulls of each breed are mated to cows of their own breed as well as to cows of the other two breeds to produce straightbreds and all possible crosses. The effects of heterosis are measured by comparing the average traits of the crossbreds with the average traits of the straightbreds.

In the first phase of the experiment scientists evaluate preweaning and postweaning growth rate, livability of calves, feed efficiency, and carcass traits. Herefords born in the first phase are used in the second phase to measure the effects of heterosis on fertility and mothering ability. In the third phase scientists evaluate procedures to determine which system of cross breeding is most effective for commercial producers.

Cows used in the first phase — 80 of each breed — produced calf crops in 1960

through 1963. In setting up the experiment, the scientists made a deliberate attempt to obtain stock of each breed from several sources. Cows were purchased as calves in 1957 from commercial producers in Nebraska, Montana, and Colorado. Bulls came from breeders' herds and experiment station herds in nine North Central and Western States.

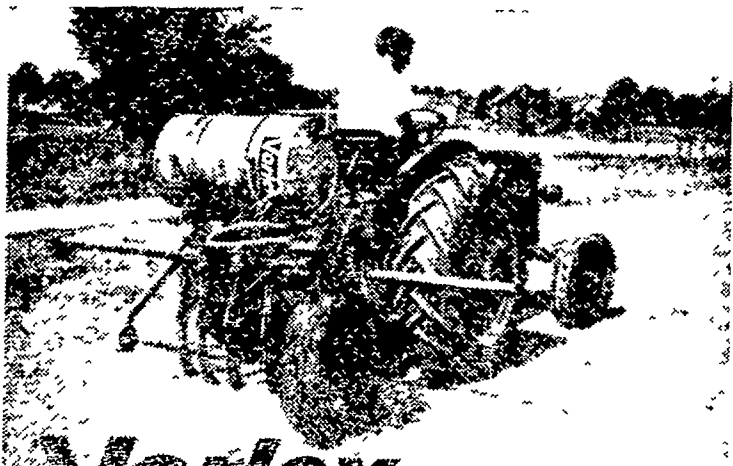
Besides exceeding straightbreds in all preweaning growth traits studied, crossbred calves had better livability, particularly the first few days after birth, and they reached puberty at younger ages. In comparing the crosses, scientists found that increased vigor was greater in the Hereford-Angus and Hereford-Shorthorn crosses than in the Angus-Shorthorn cross.

Studies made so far of postweaning traits — from the 1960-62 calf crops — indicate that crossbreds exceed straightbreds in growth rate. They also have a slight advantage in feed efficiency.

Crossbreds appear to be slightly fatter than straightbreds but there has been no difference in carcass grade. Crossbred carcasses yielded more pounds of edible meat but the percent of boneless, round loin, rib and chuck was trimmed retail cuts from the slightly lower than in the straightbred carcasses.

Said the hired man, "I've been with you 25 years, and I've never asked you for a raise before."

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Digestive disorders and a slight transient depression in appetite in newly-arrived cattle in the feedlot have been problems for a number of years. There are numerous causes:

1. The sudden change in type of feed, for example, from grass and milk to grain, silage and/or hay and a protein supplement.
2. Too rapid pushing of grain concentrates.
3. Too much protein.
4. Not enough roughage.
5. Too much high quality roughage.
6. Unpalatable feed.
7. Too much green chopped legume or grass silage.
8. Feeding soft or immature corn. If not moldy, soft corn is satisfactory, but animals must be accustomed to it gradually (Morrison).
9. Too much green chopped corn causing green corn poisoning.
10. Too much silage fed to lighter weight calves. Calves do not have the digestive capacity to obtain their total digestible nutrients from a full feed of silage alone.
11. Digestive disorders caused by infections.
12. In addition, in connection with supplements containing an antibiotic, there is an adjustment of the rumen microflora to the antibiotic. This may cause a slight depression in rumen function and reduce appetite for 24 to 36 hours after the initial feeding. Softer feces also may be noticed. This effect is transient and after 36 to 48 hours the appetite should be restored to normal.

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